Utah Water Supply Outlook Report

May 1, 2022

Upper Provo River

Photo by Jordan Clayton

STATE OF UTAH GENERAL OUTLOOK
May 1, 2022

SUMMARY
April precipitation was kind to northern Utah but did not deliver for the southern portion of the state. As evidenced by the map below, storm tracks favored the Bear, Raft, and Weber-Ogden basins. Elsewhere, monthly precipitation totals for April were disappointing, with less than 50% of normal rain and snow received for most areas of southern Utah.

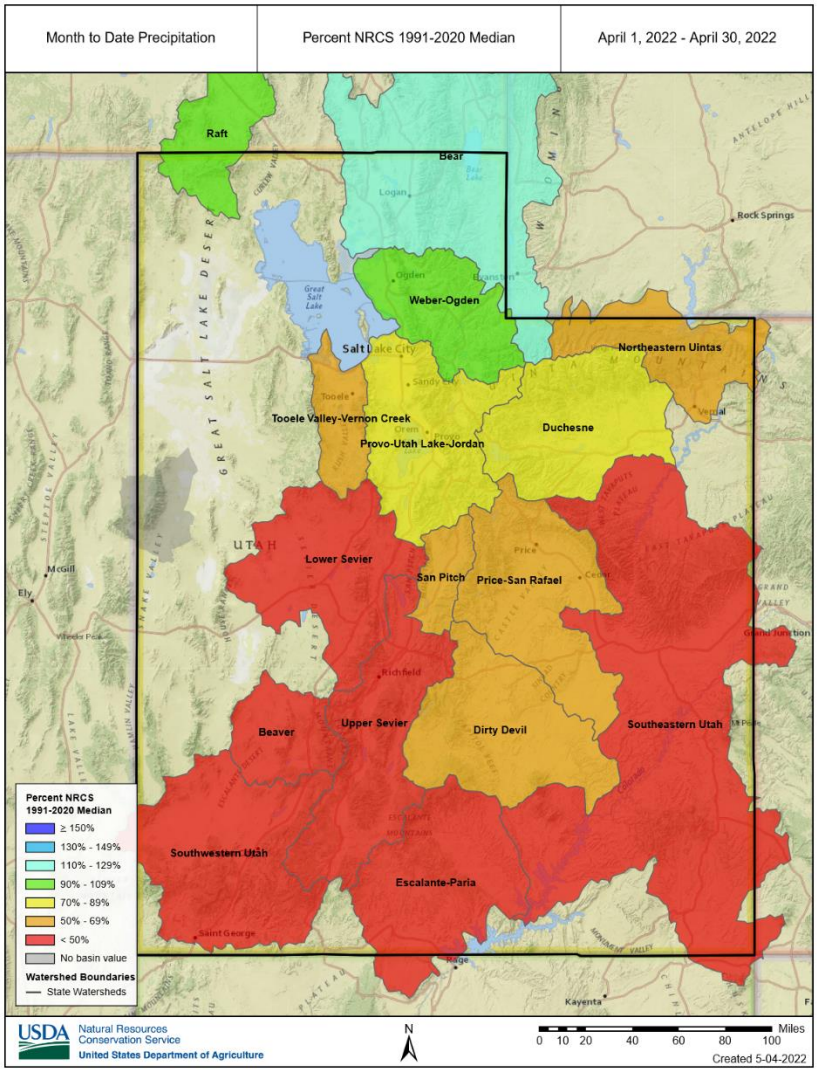


Figure 1: April precipitation for major Utah basins, expressed as a percent of normal.

Statewide precipitation was 81% of normal for the month of April, bringing the water-year-to-date value to 94%. Most of Utah's major watersheds remain close to normal precipitation for the 2022 water year due to early season gains.

While we have received some recent snow in our mountains, Utah's snowpack is unquestionably in its melt phase. As of May 1st, statewide snow water equivalent (SWE) was at 66% of normal[1]. All of our major basins now have below normal SWE, with almost no snow remaining in Southeastern Utah and the Escalante-Paria watersheds.

Statewide soil moisture is at 76% of saturation, which is above normal for this time of year. As noted in the April 1 Water Supply Outlook Report, we are hopeful that the wet surficial soils will

[1] Note that as the normals for SWE approach zero during spring months, the meaningfulness of the percent normal values decreases. Please use caution when evaluating percent normal SWE for sites or basins with little remaining snowpack.

quickly saturate during runoff and therefore efficiently route most snowmelt downstream and that subsurface losses will be minimal.

Streamflow forecasts based on snowmelt runoff volume range from 35% to 116% of normal[2]. The figure below shows the runoff predictions for Utah's subbasins, reinforcing that large areas of the state—especially southwestern Utah—are predicted to experience <50% of normal flow.

Utah's reservoir storage is at 58% of capacity, down 10% from this time last year. Surface Water Supply Indices (SWSI) for Utah basins combine our current reservoir levels with the additional volume of water anticipated for each watershed based on these May 1 streamflow forecasts. As noted in the April 1 report, the majority of Utah's basins have very low SWSI values, suggesting that water supplies may be extremely limited in large portions of the state this summer. Particularly concerning are anticipated water supply conditions in the Sevier and Provo basins, with SWSI percentiles in the bottom 3rd percentile!

This is the last Water Supply Outlook Report of this water year. However, Utah's water availability conditions will continue to be published year-round in our monthly Climate and Water Reports, which can be obtained here.

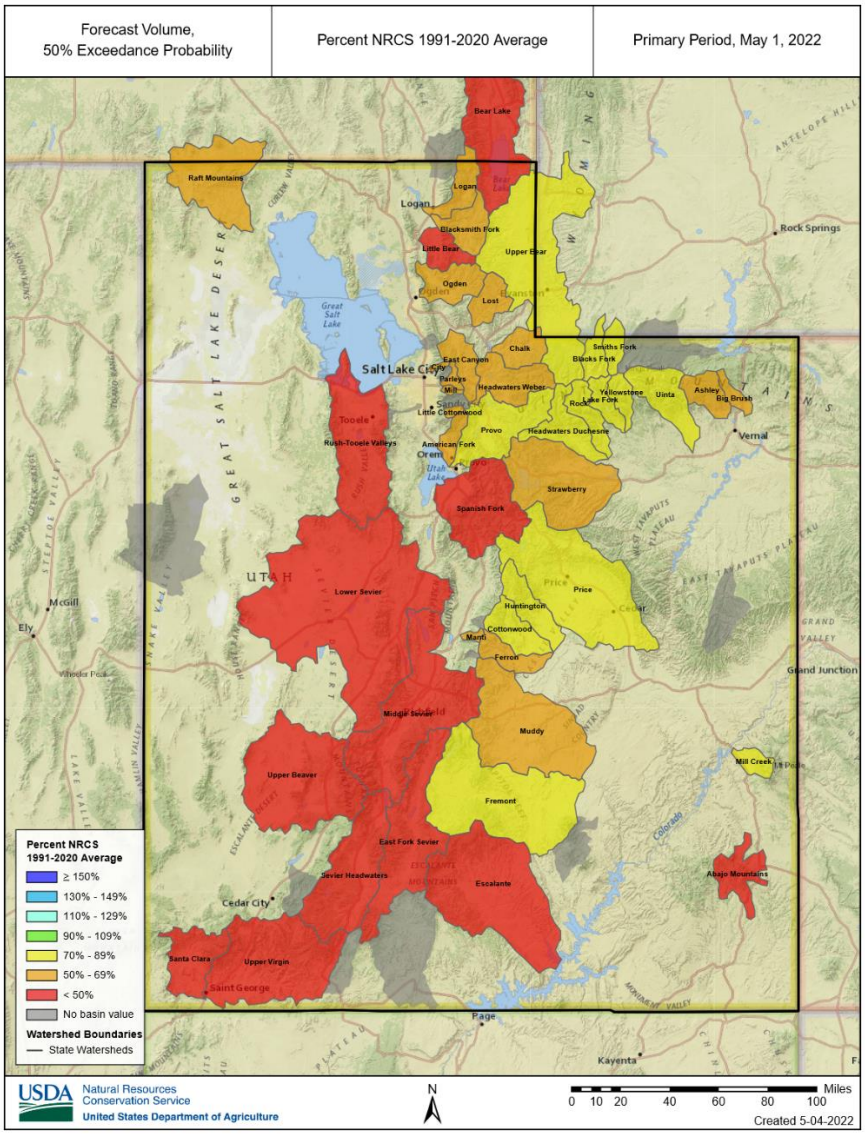
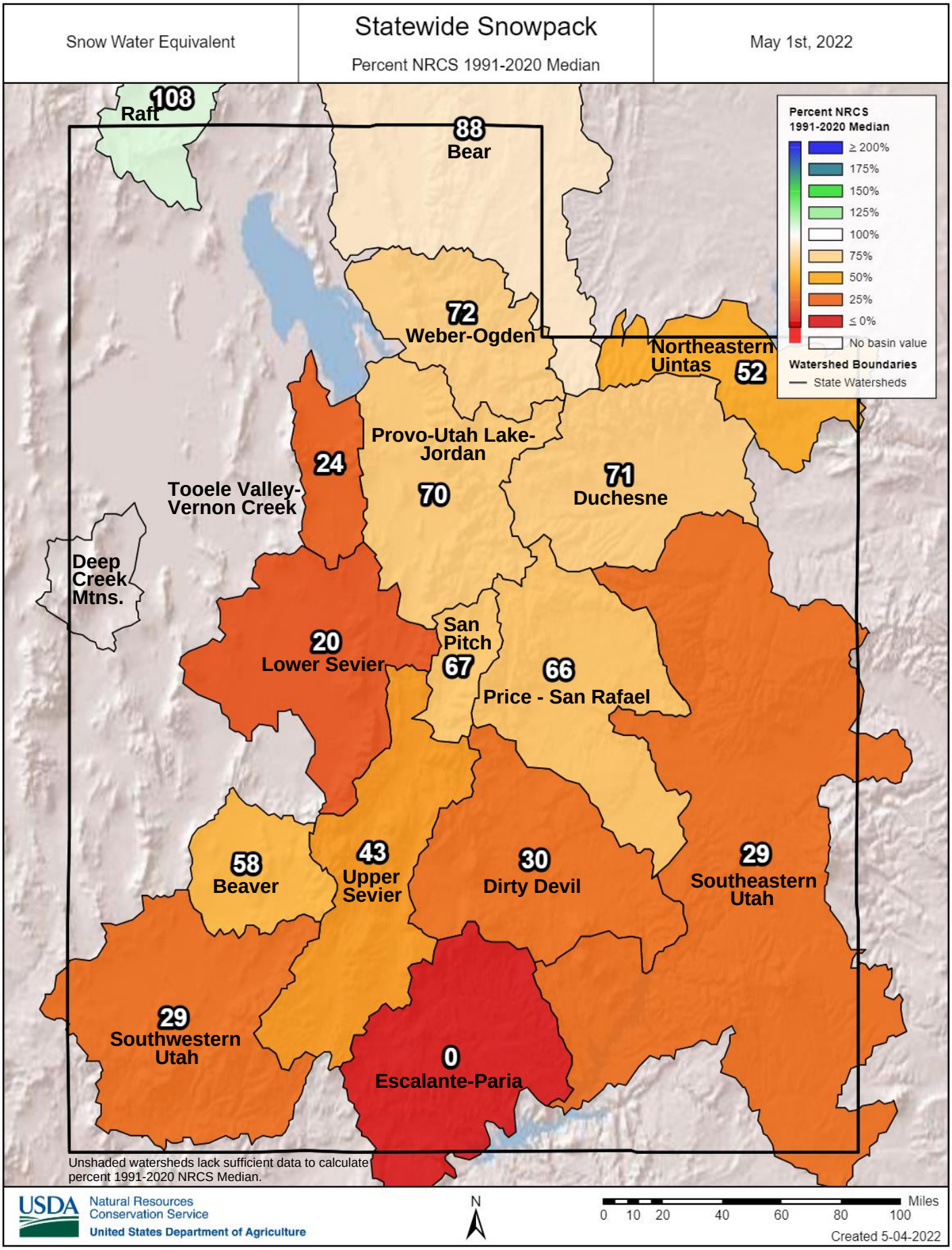


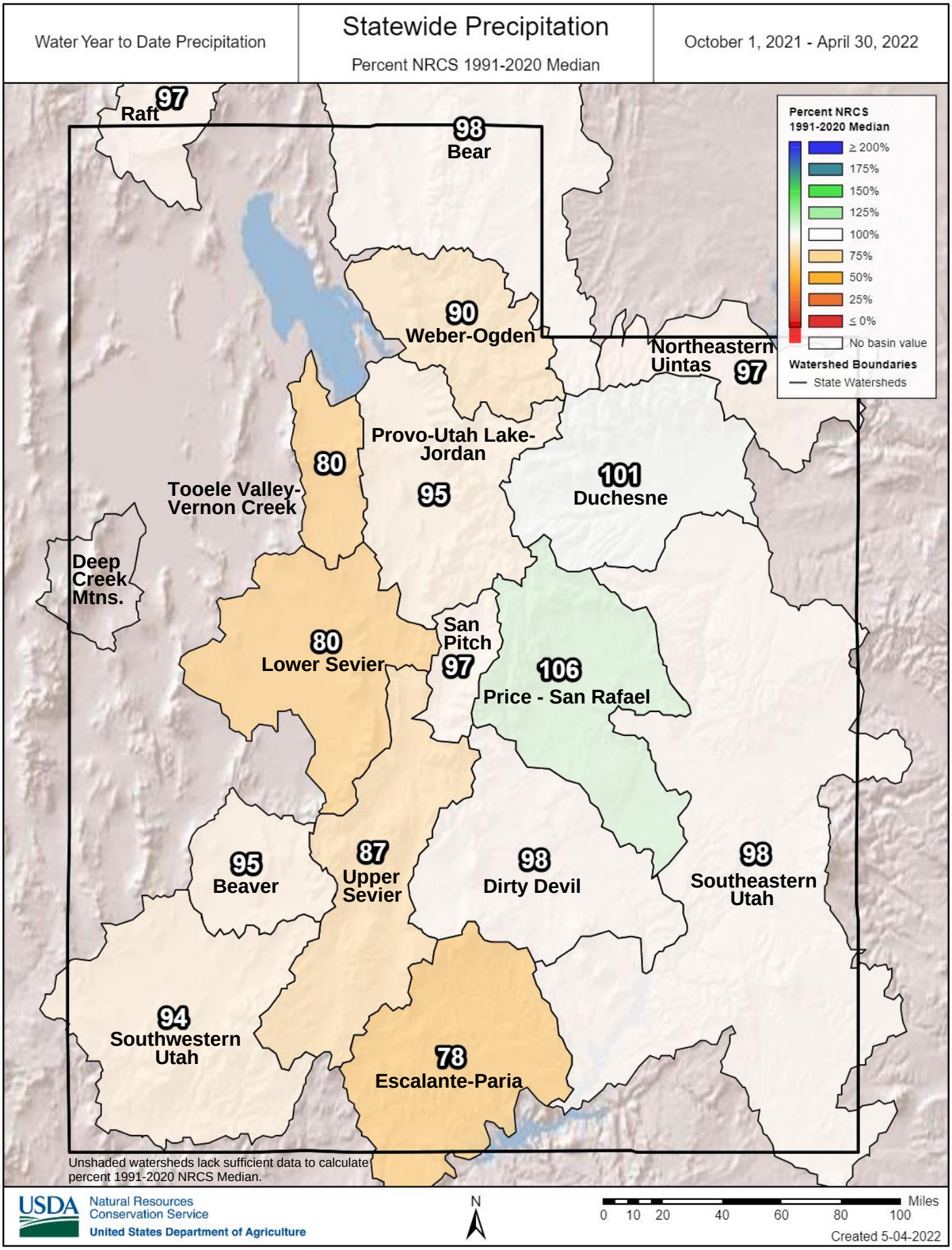
Figure 2: May 1 streamflow forecasts for April-July runoff.

[2] Note that new official 'normal' values for all parameters included in this report now use median instead of average as the measure of central tendency. As the impact of these new normals based on median instead of average is particularly pronounced for Utah's runoff locations, please be cautious while evaluating the streamflow forecast percent normal values included herein. Our recommendation is to focus on the predicted flow volume (kaf) instead of the percent normal for runoff. See here for additional details on the NRCS normals.

Utah (statewide) Snowpack



Utah (statewide) Precipitation



May 1, 2022 | Surface Water Supply Index (SWSI)

Basin or Region	Reservoir Storage[1] (KAF)[2]	May-July Forecast (KAF)[2]	Forecast + Storage (KAF)[2]	SWSI[3]	Percentile[4] (%)	Similar Years
Bear	608.3	49.0	657.3	-1.07	**37**	[1990, 2015]
Woodruff Narrows	26.1	75.0	101.1	-2.62	**19**	[1990, 1992]
Little Bear	14.6	11.0	25.6	-0.94	**39**	[2014, 2020]
Ogden	63.6	33.0	96.6	-2.81	**16**	[1981, 2013]
Weber	250.1	104.0	354.1	-2.81	**16**	[2003, 2014]
Provo	788.1	64.0	852.1	-3.88	**3**	[2004, 2016]
Western Uintas	181.5	75.0	256.5	-0.48	**44**	[2000, 2014]
Eastern Uintas	27.0	39.0	66.0	-3.0	**14**	[1989, 2013]
Blacks Fork	16.6	63.0	79.6	-1.67	**30**	[1988, 1992]
Smiths Fork	7.2	21.0	28.2	-1.25	**35**	[1992, 2008]
Price	25.4	20.0	45.4	-1.84	**28**	[1989, 2003]
Joes Valley	23.2	33.0	56.2	-3.78	**5**	[2002, 2021]
Ferron Creek	4.8	21.0	25.8	-2.81	**16**	[1989, 1990]
Moab	1.5	2.3	3.8	-0.69	**42**	[2001, 2003]
Upper Sevier	45.0	7.6	52.6	-3.97	**2**	[2004, 2021]
San Pitch	0.7	7.0	7.7	-3.59	**7**	[2015, 2018]
Lower Sevier	70.8	12.5	83.3	-3.97	**2**	[2004, 2018]
Beaver River	7.2	10.0	17.2	-3.59	**7**	[2018, 2021]
Virgin River	32.3	14.2	46.5	-3.63	**6**	[2003, 2014]

[1] End of Month Reservoir Storage; [2] KAF, Thousand Acre-Feet; [3] SWSI, Surface Water Supply Index; [4] Threshold for coloring: >75% Green, <25% Red

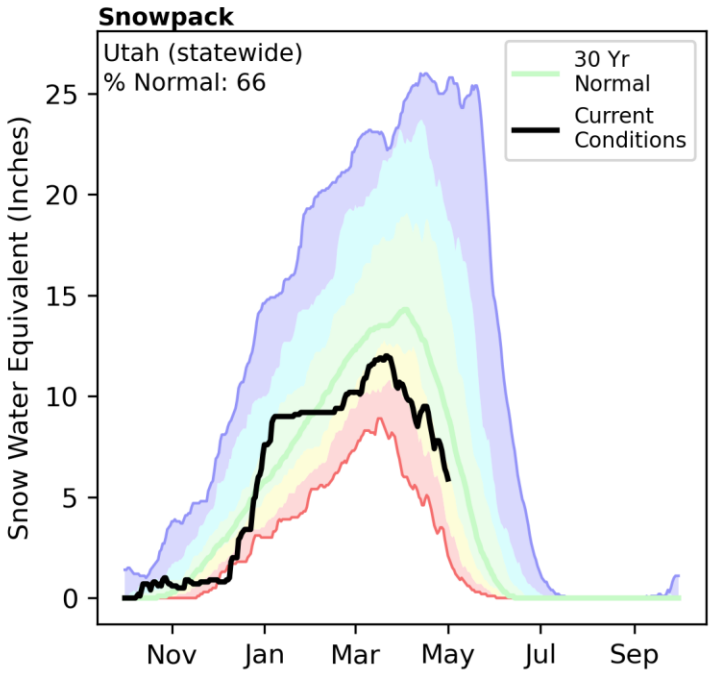
What is a Surface Water Supply Index?

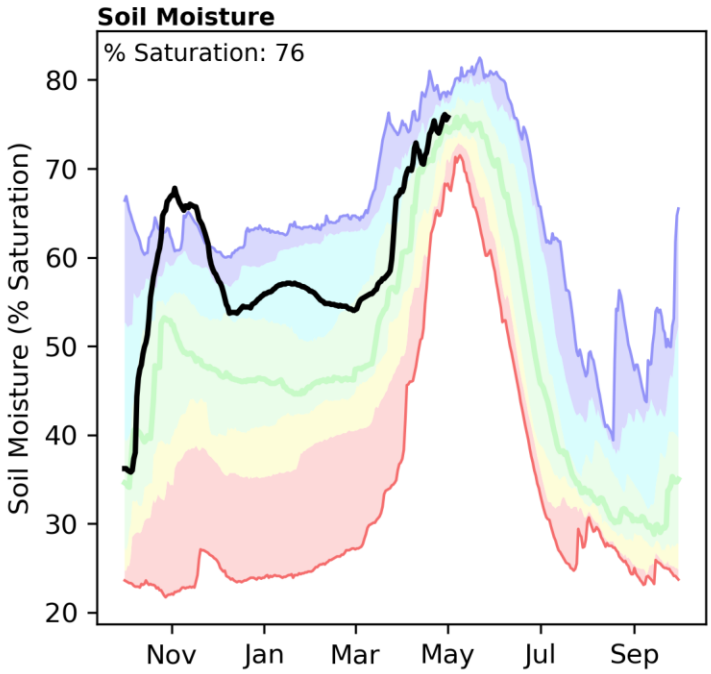
The Surface Water Supply Index (SWSI) is a predictive indicator of total surface water availability within a watershed for the spring and summer water use seasons. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow which are based on current snowpack and other hydrologic variables. SWSI values are scaled from +4.1 (abundant supply) to -4.1 (extremely dry) with a value of zero (0) indicating median water supply as compared to historical analysis. SWSI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index.

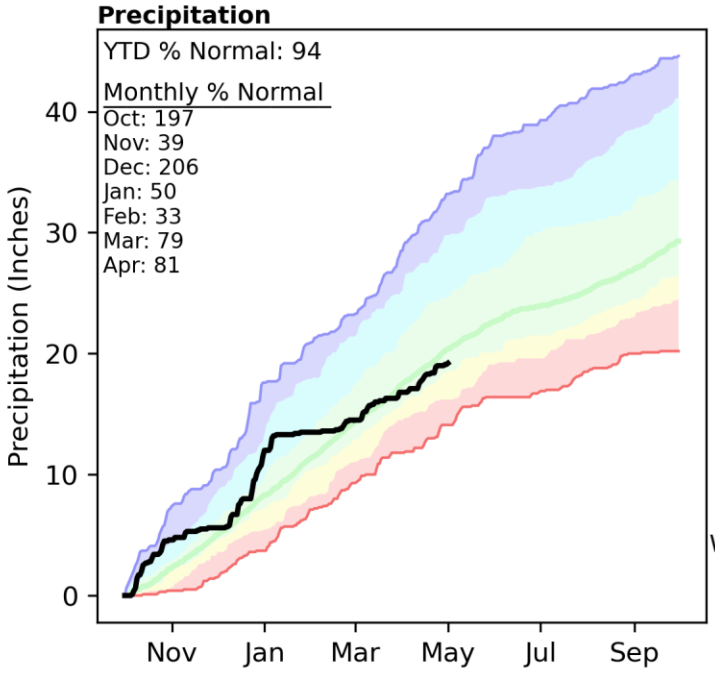
Utah Snow Surveys has also chosen to display the SWSI value as well as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has a simple application. It can be best thought of as a scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (wettest possible conditions) and a value of 50 representing average conditions. This rating scale is a percentile rating as well, for example a SWSI of 75% means that this years water supply is greater than 75% of all historical events and that only 25% of the time has it been exceeded. Conversely a SWSI of 10% means that 90% of historical events have been greater than this one and that only 10% have had less total water supply. This scale is comparable between basins: a SWSI of 50% means the same relative ranking on watershed A as it does on watershed B, which may not be strictly true of the +4 to -4 scale.

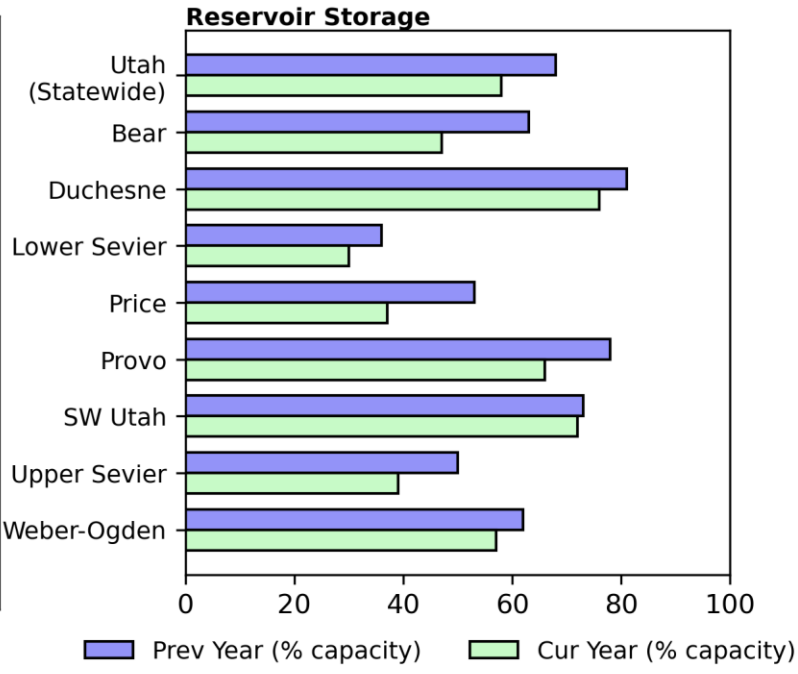
Utah (statewide) | May 1, 2022

Snowpack in Utah (statewide) is well below normal at 66% of median, compared to 59% at this time last year. Precipitation in April was below normal at 81%, which brings the seasonal accumulation (October-April) to 94% of median. Soil moisture is at 76% saturation compared to 73% saturation last year. Statewide, reservoir storage is 58% of capacity, compared to 68% last year[1]. Forecast streamflow volumes (50% exceedence, May-July) range from 35% to 116% of normal.







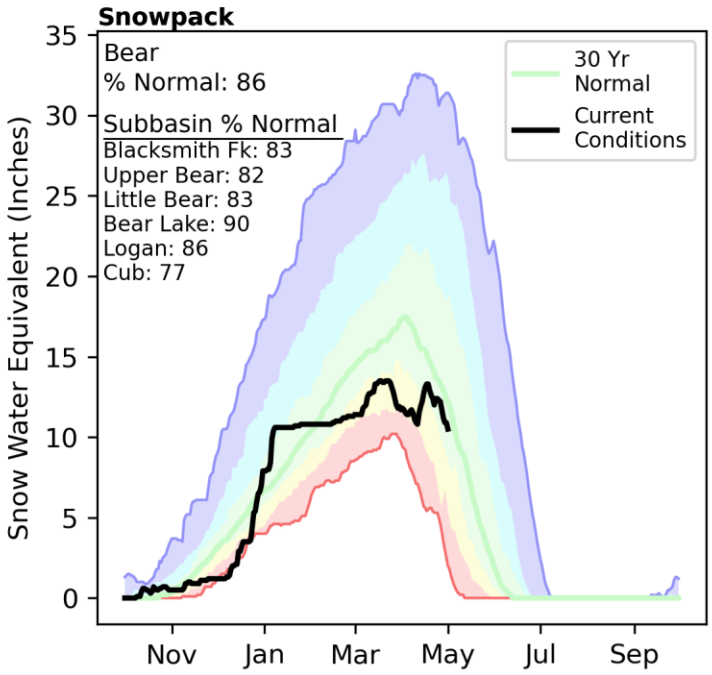


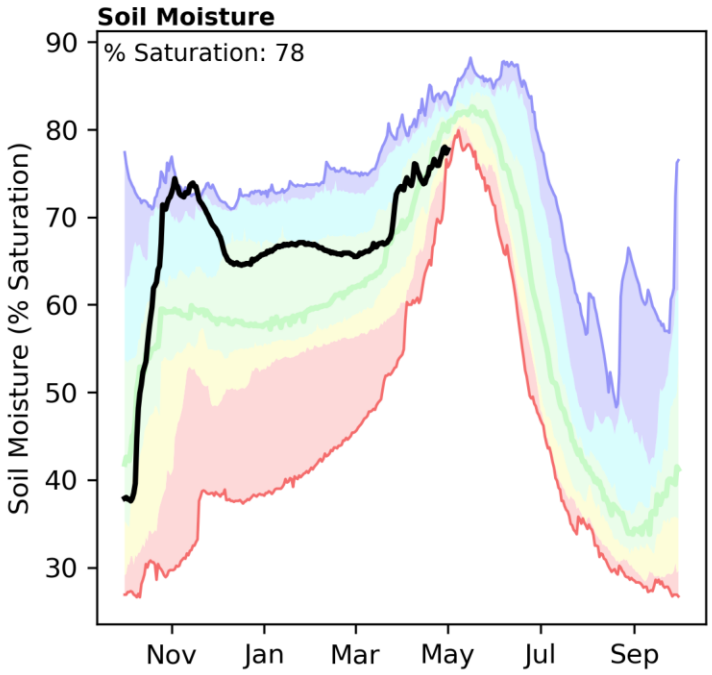
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

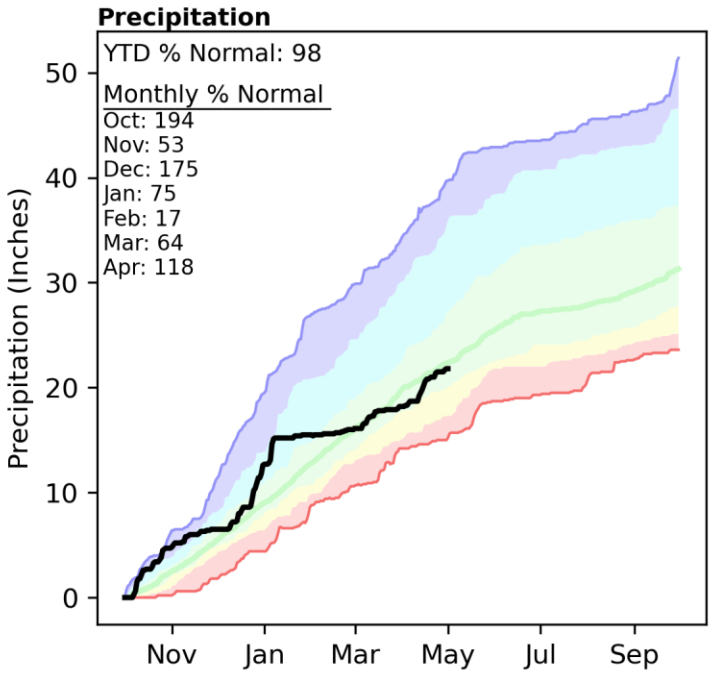
[1]Statewide reservoir percentages exclude Lake Powell and Flaming Gorge Reservoirs.

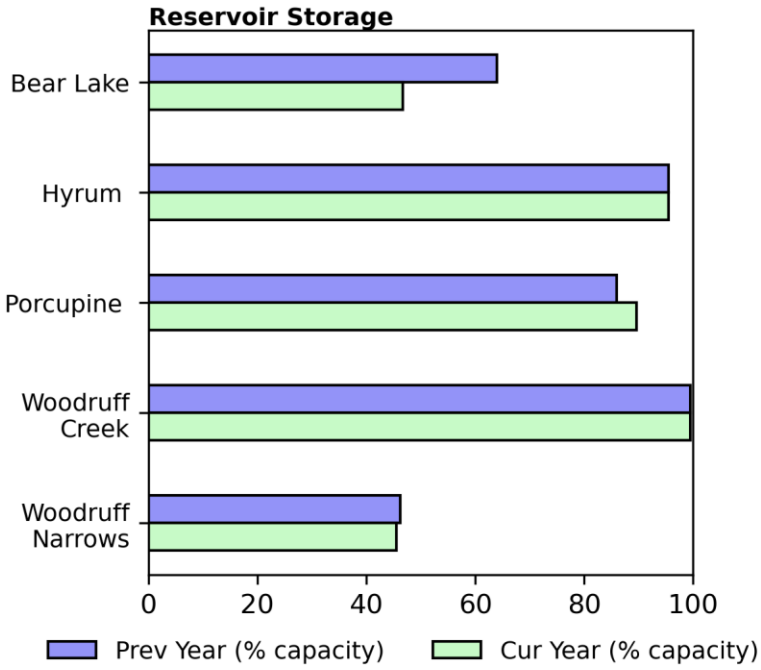
Bear | May 1, 2022

Snowpack in the Bear River Basin is below normal at 86% of median, compared to 61% at this time last year. Precipitation in April was above normal at 118%, which brings the seasonal accumulation (October-April) to 98% of median. Soil moisture is at 78% saturation compared to 79% saturation last year. Reservoir storage is 47% of capacity, compared to 63% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 53% to 83% of normal. The Surface Water Supply Index percentiles are 37% for the Bear, 39% for the Little Bear, and 19% for Woodruff Narrows.



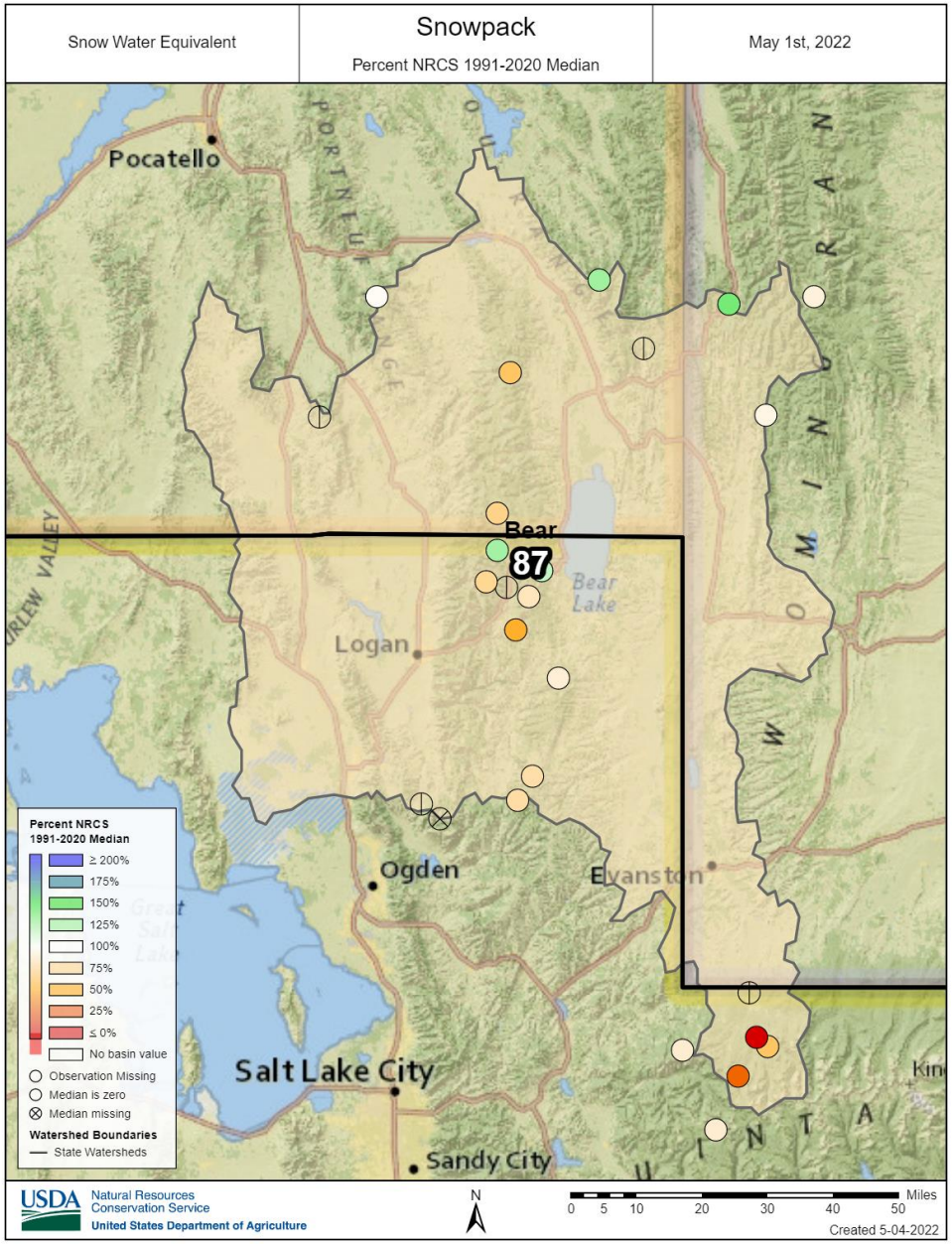


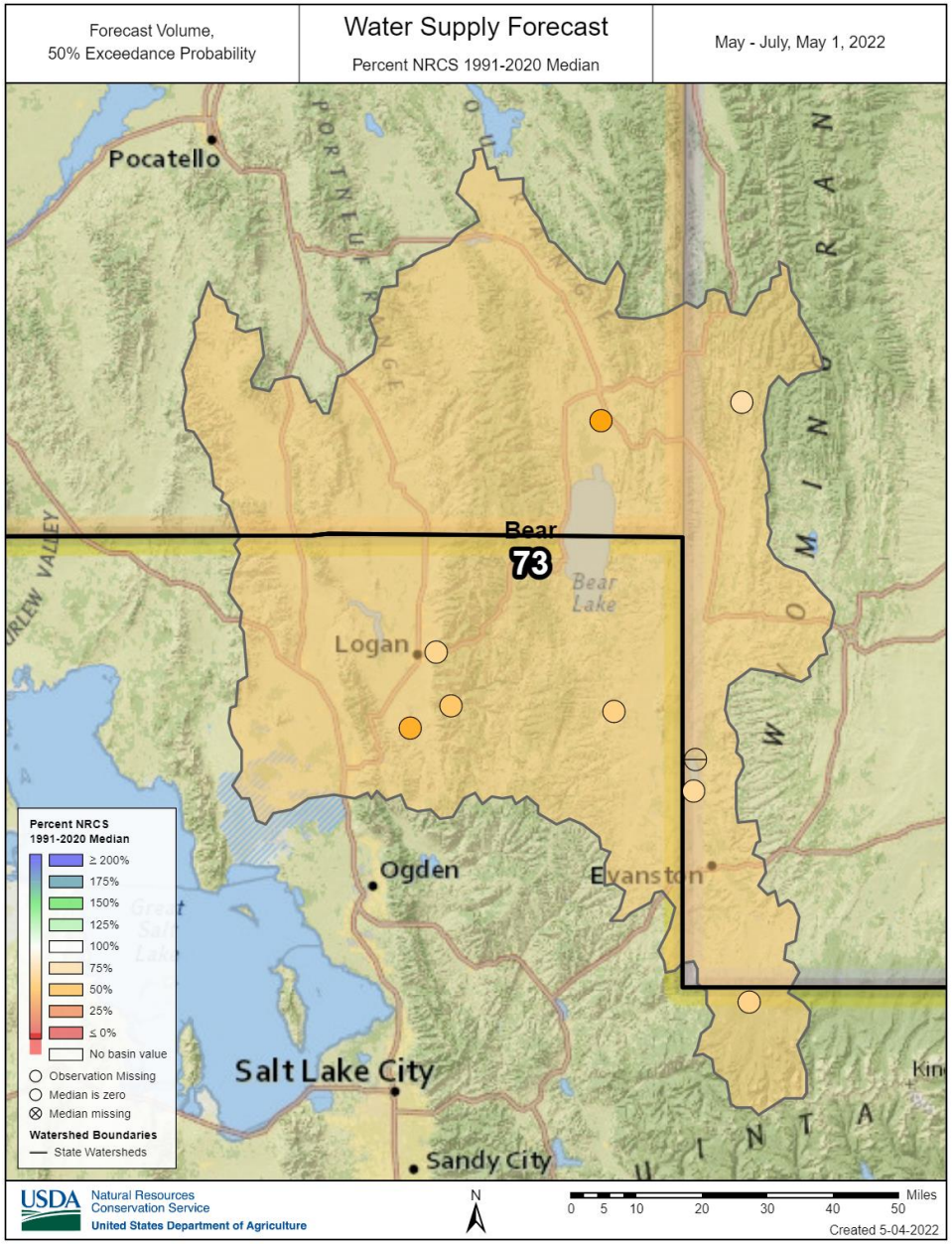




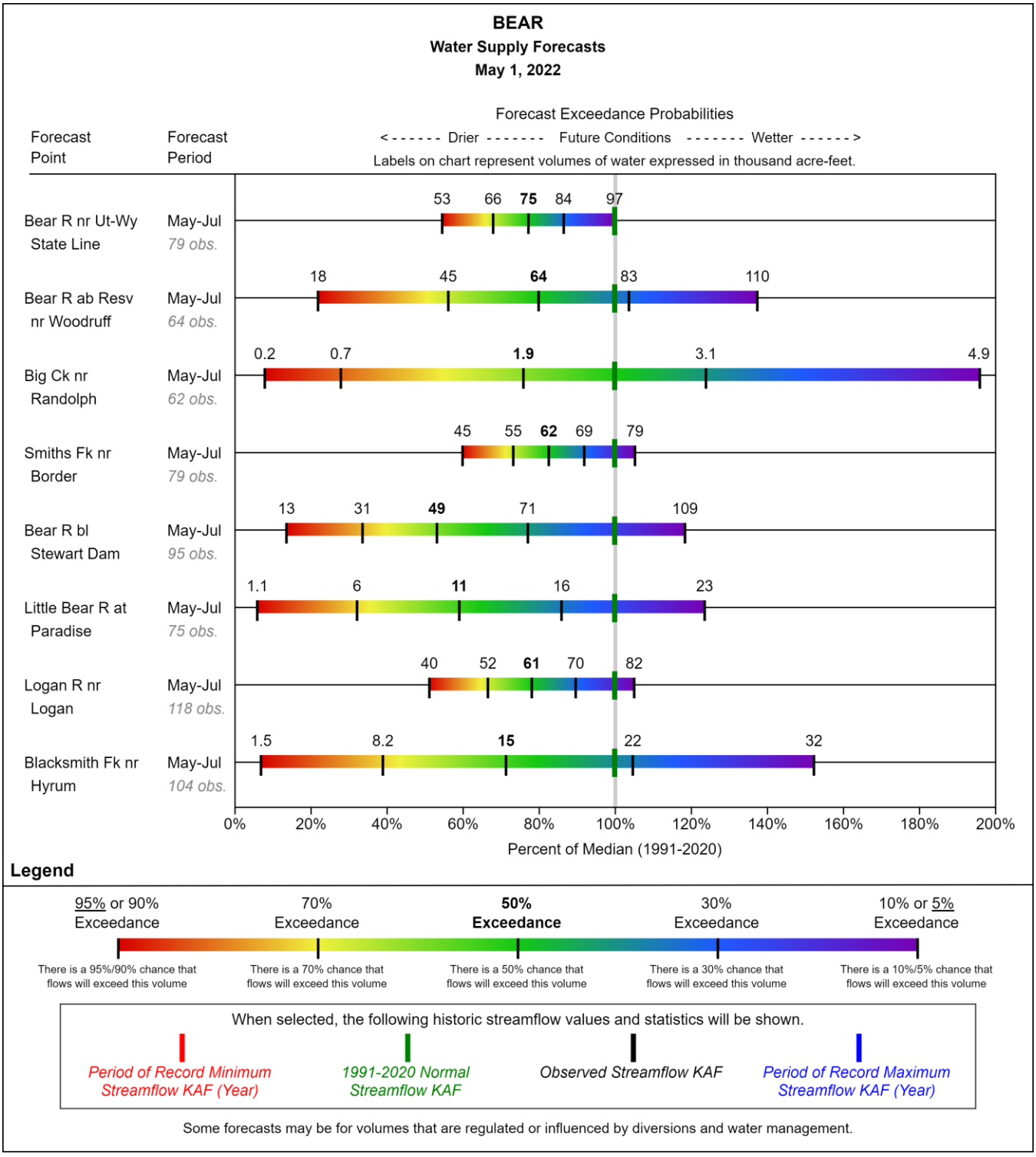
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Bear


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
May 1st, 2022
Pocatello
Bear
87
Logan
Bear Lake
Ogden
Evanston
Salt Lake City
Sandy City
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 5 10 20 30 40 50 Miles
Created 5-04-2022

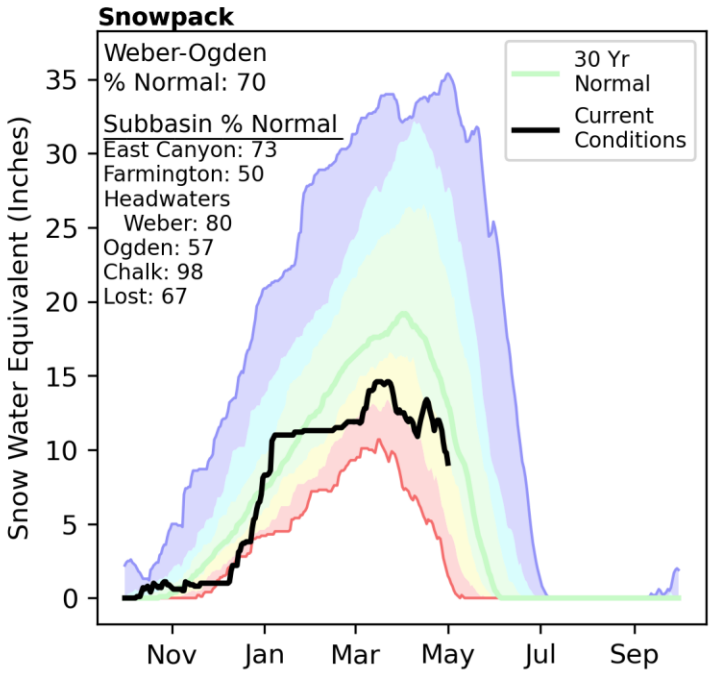

Forecast Volume,
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
May - July, May 1, 2022
Pocatello
Bear
73
Logan
Bear Lake
Ogden
Evanston
Salt Lake City
Sandy City
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 5 10 20 30 40 50 Miles
Created 5-04-2022

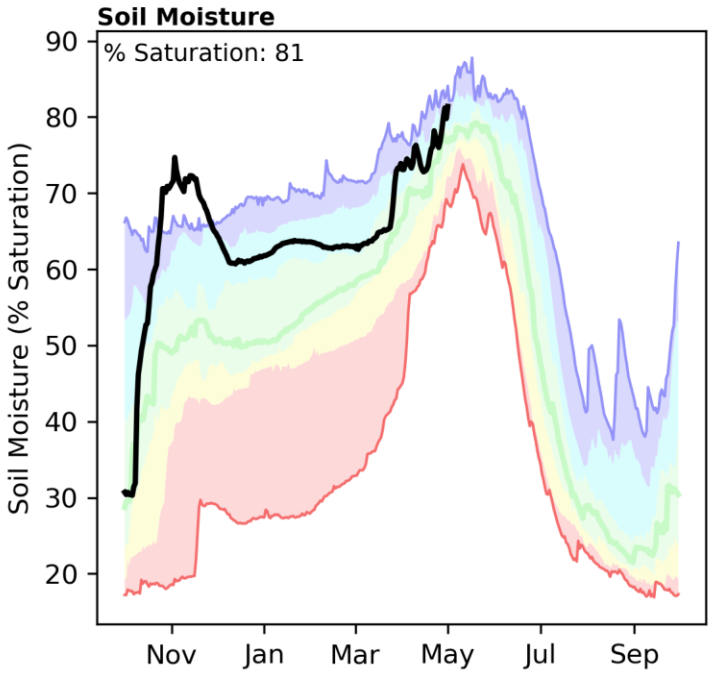
Bear

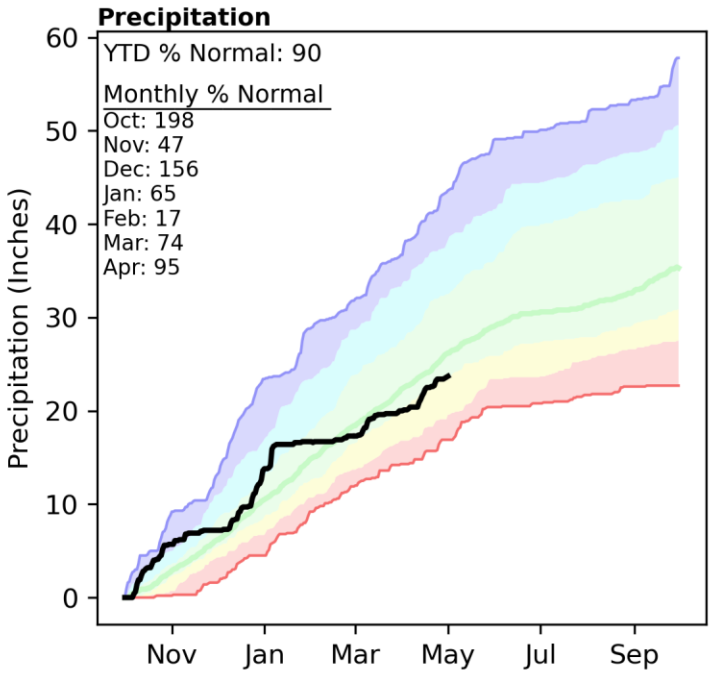

BEAR
Water Supply Forecasts
May 1, 2022
Forecast Exceedance Probabilities
Forecast Point
Forecast Period
<------- Drier -------- Future Conditions -------- Wetter ------>
Labels on chart represent volumes of water expressed in thousand acre-feet.
Bear R nr Ut-Wy State Line
May-Jul
79 obs.
53 66 75 84 97
Bear R ab Resv nr Woodruff
May-Jul
64 obs.
18 45 64 83 110
Big Ck nr Randolph
May-Jul
62 obs.
0.2 0.7 1.9 3.1 4.9
Smiths Fk nr Border
May-Jul
79 obs.
45 55 62 69 79
Bear R bl Stewart Dam
May-Jul
95 obs.
13 31 49 71 109
Little Bear R at Paradise
May-Jul
75 obs.
1.1 6 11 16 23
Logan R nr Logan
May-Jul
118 obs.
40 52 61 70 82
Blacksmith Fk nr Hyrum
May-Jul
104 obs.
1.5 8.2 15 22 32
0% 20% 40% 60% 80% 100% 120% 140% 160% 180% 200%
Percent of Median (1991-2020)
Legend
95% or 90% Exceedance
There is a 95%/90% chance that flows will exceed this volume
70% Exceedance
There is a 70% chance that flows will exceed this volume
50% Exceedance
There is a 50% chance that flows will exceed this volume
30% Exceedance
There is a 30% chance that flows will exceed this volume
10% or 5% Exceedance
There is a 10%/5% chance that flows will exceed this volume
When selected, the following historic streamflow values and statistics will be shown.
Period of Record Minimum Streamflow KAF (Year)
1991-2020 Normal Streamflow KAF
Observed Streamflow KAF
Period of Record Maximum Streamflow KAF (Year)
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

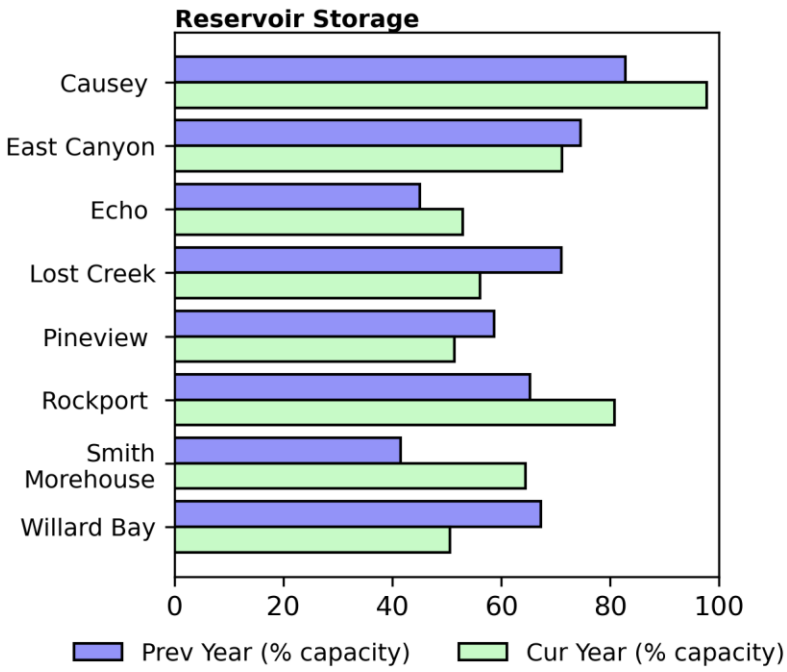
Weber-Ogden | May 1, 2022

Snowpack in the Weber and Ogden River Basins is well below normal at 70% of median, compared to 63% at this time last year. Precipitation in April was about normal at 95%, which brings the seasonal accumulation (October-April) to 90% of median. Soil moisture is at 81% saturation compared to 76% saturation last year. Reservoir storage is 57% of capacity, compared to 62% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 66% to 82% of normal. The Surface Water Supply Index percentiles are 16% for the Weber, and 16% for the Ogden.



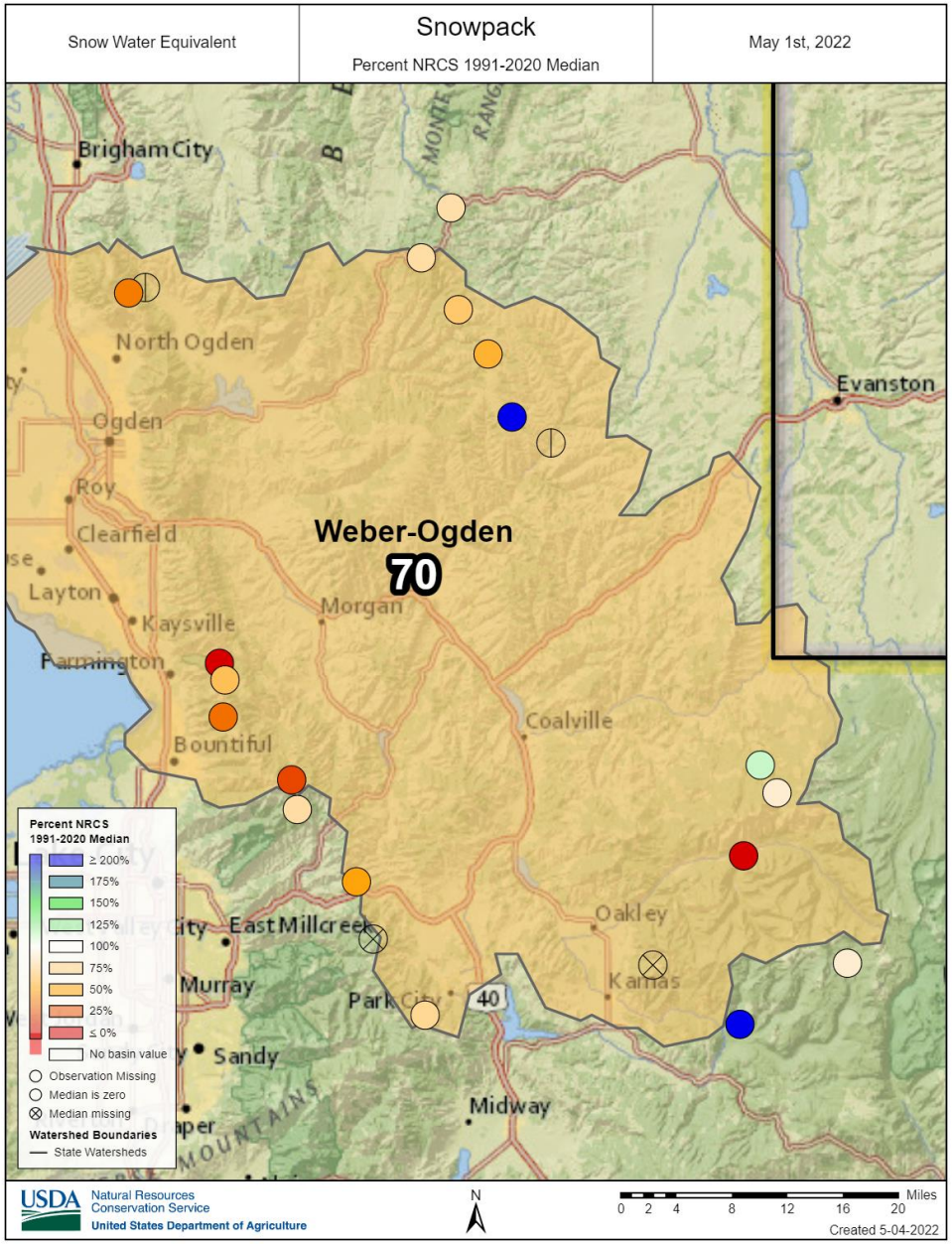


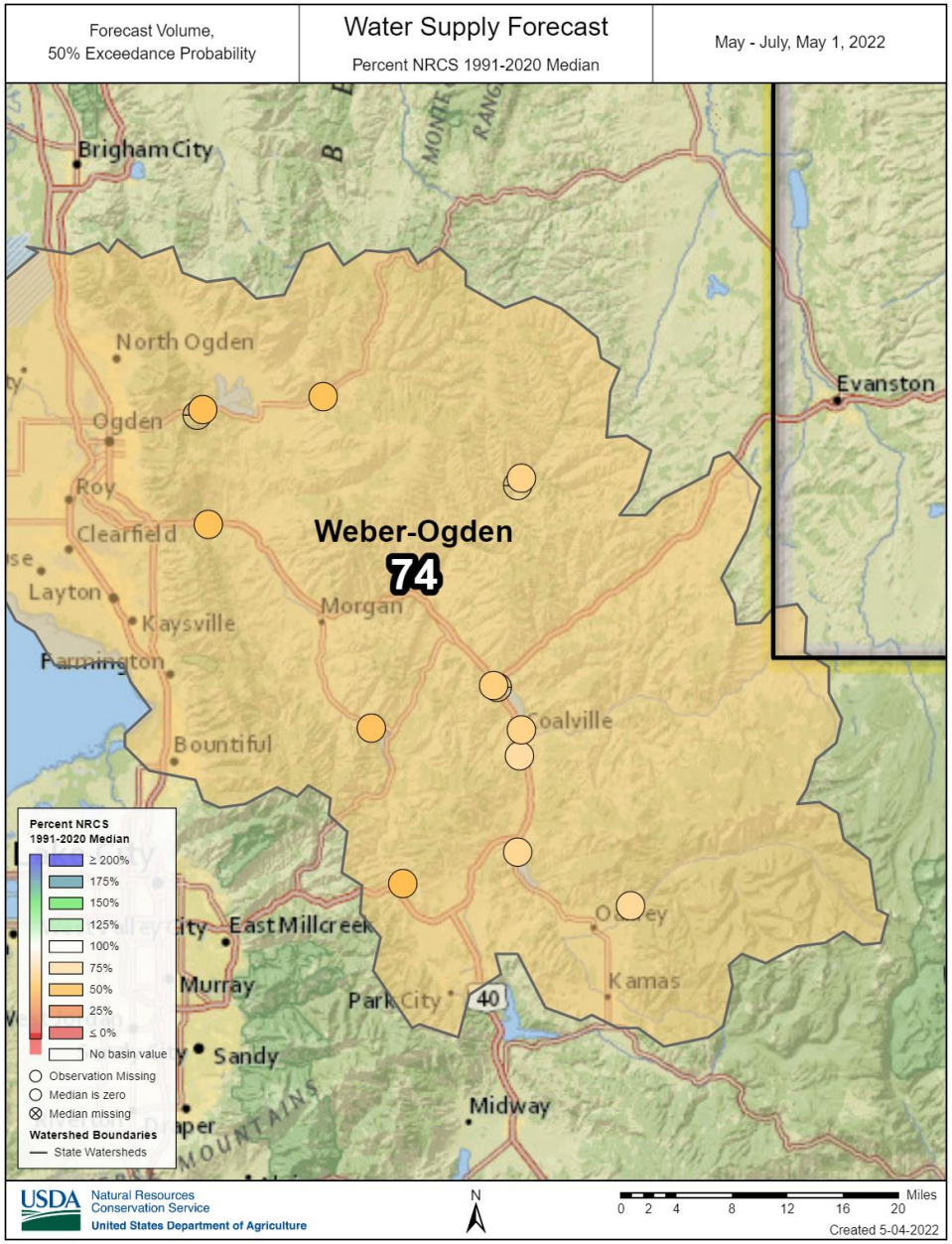




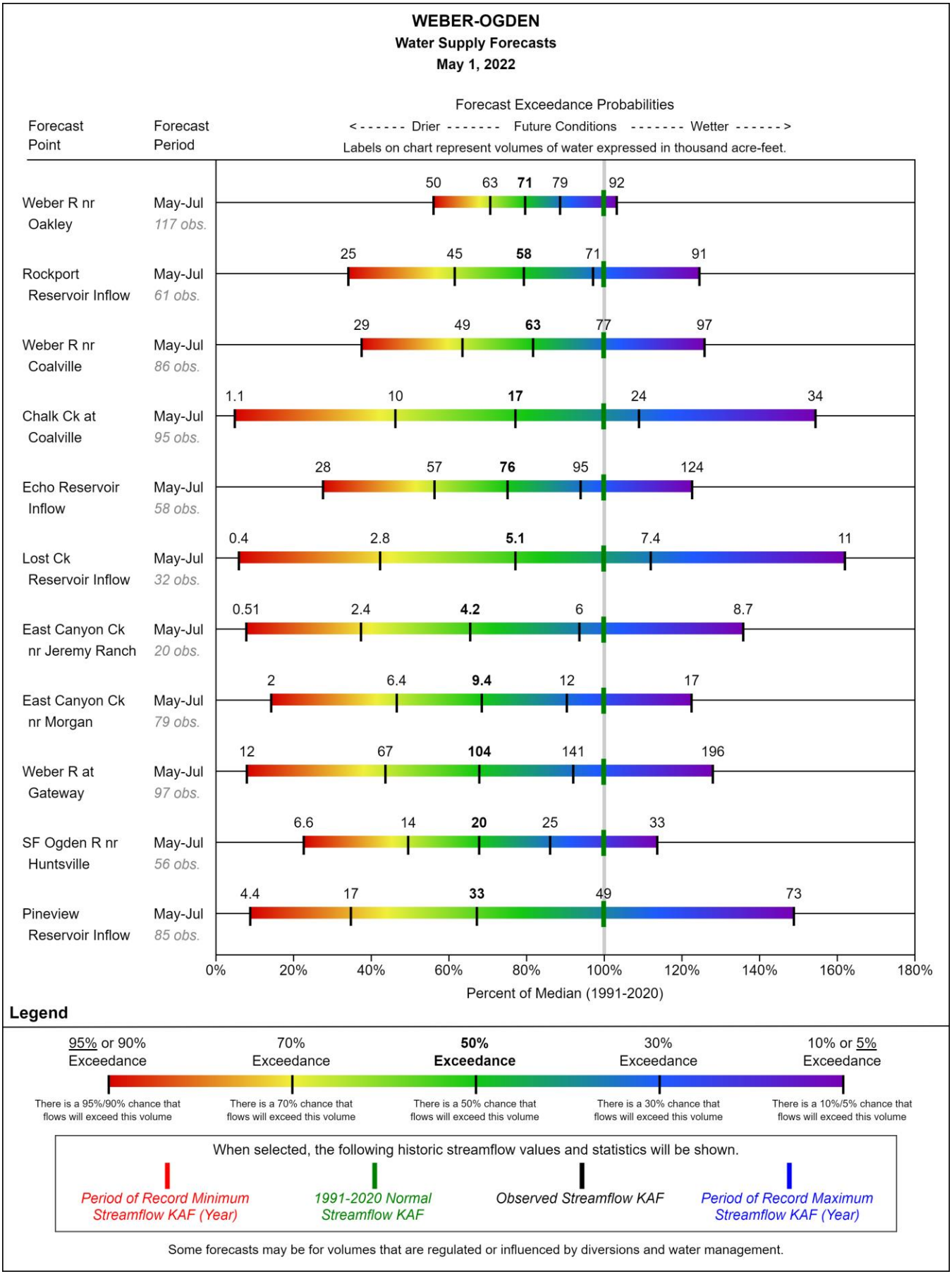
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Weber-Ogden


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
May 1st, 2022
Brigham City
North Ogden
Ogden
Roy
Clearfield
Layton
Kaysville
Farmington
Bountiful
Morgan
Coalville
Evanston
Oakley
Kamas
Park City
Midway
Sandy
Murray
East Millcreek
40
Weber-Ogden
70
Percent NRCS
1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
Miles
0 2 4 8 12 16 20
Created 5-04-2022


Forecast Volume,
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
May - July, May 1, 2022
Brigham City
North Ogden
Ogden
Roy
Clearfield
Layton
Kaysville
Farmington
Bountiful
Morgan
Coalville
Evanston
Oakley
Kamas
Park City
Midway
Sandy
Murray
East Millcreek
40
Weber-Ogden
74
Percent NRCS
1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
Miles
0 2 4 8 12 16 20
Created 5-04-2022

Weber-Ogden


WEBER-OGDEN
Water Supply Forecasts
May 1, 2022
Forecast Exceedance Probabilities
< - - - - - - Drier - - - - - - - Future Conditions - - - - - - - Wetter - - - - - - >
Labels on chart represent volumes of water expressed in thousand acre-feet.
Forecast Point
Forecast Period
Weber R nr Oakley May-Jul 117 obs. 50 63 71 79 92
Rockport Reservoir Inflow May-Jul 61 obs. 25 45 58 71 91
Weber R nr Coalville May-Jul 86 obs. 29 49 63 77 97
Chalk Ck at Coalville May-Jul 95 obs. 1.1 10 17 24 34
Echo Reservoir Inflow May-Jul 58 obs. 28 57 76 95 124
Lost Ck Reservoir Inflow May-Jul 32 obs. 0.4 2.8 5.1 7.4 11
East Canyon Ck nr Jeremy Ranch May-Jul 20 obs. 0.51 2.4 4.2 6 8.7
East Canyon Ck nr Morgan May-Jul 79 obs. 2 6.4 9.4 12 17
Weber R at Gateway May-Jul 97 obs. 12 67 104 141 196
SF Ogden R nr Huntsville May-Jul 56 obs. 6.6 14 20 25 33
Pineview Reservoir Inflow May-Jul 85 obs. 4.4 17 33 49 73
0% 20% 40% 60% 80% 100% 120% 140% 160% 180%
Percent of Median (1991-2020)
Legend
95% or 90% Exceedance
There is a 95%/90% chance that flows will exceed this volume
70% Exceedance
There is a 70% chance that flows will exceed this volume
50% Exceedance
There is a 50% chance that flows will exceed this volume
30% Exceedance
There is a 30% chance that flows will exceed this volume
10% or 5% Exceedance
There is a 10%/5% chance that flows will exceed this volume
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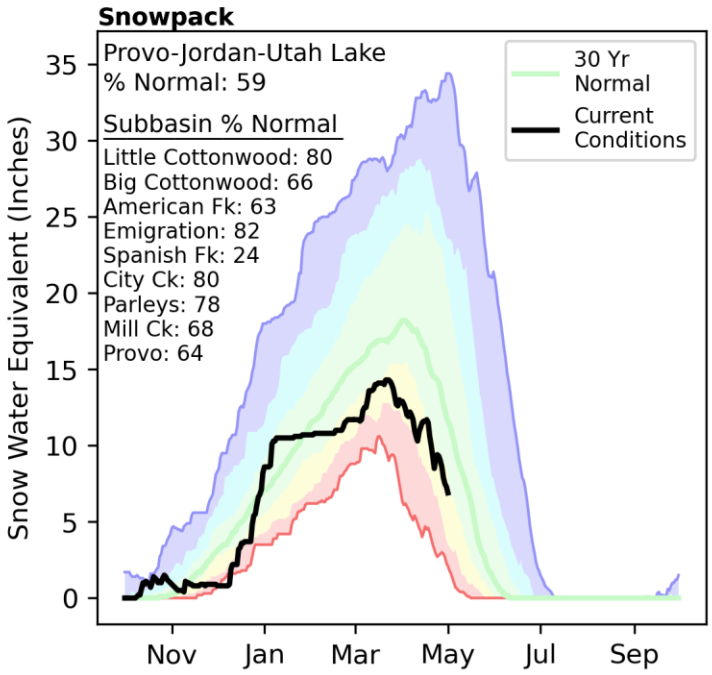
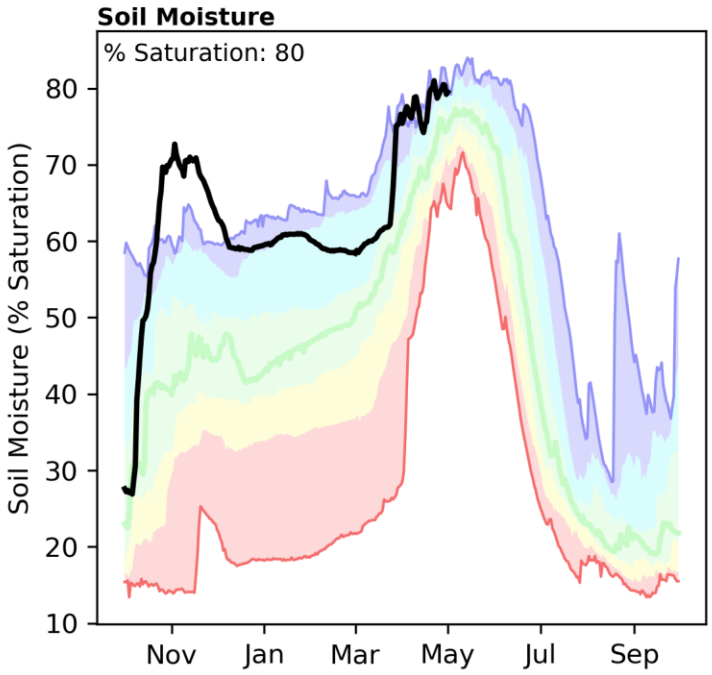
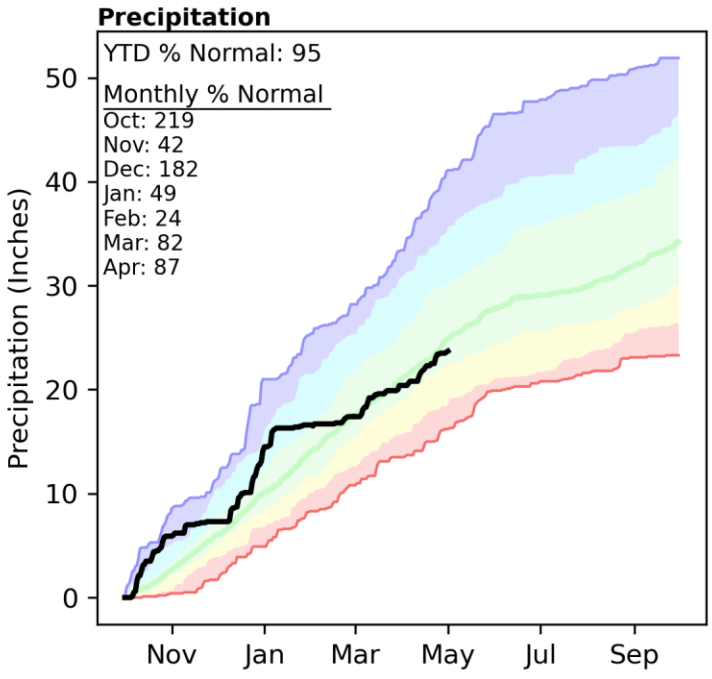
1991-2020 Normal Streamflow KAF
Observed Streamflow KAF
Period of Record Maximum Streamflow KAF (Year)
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

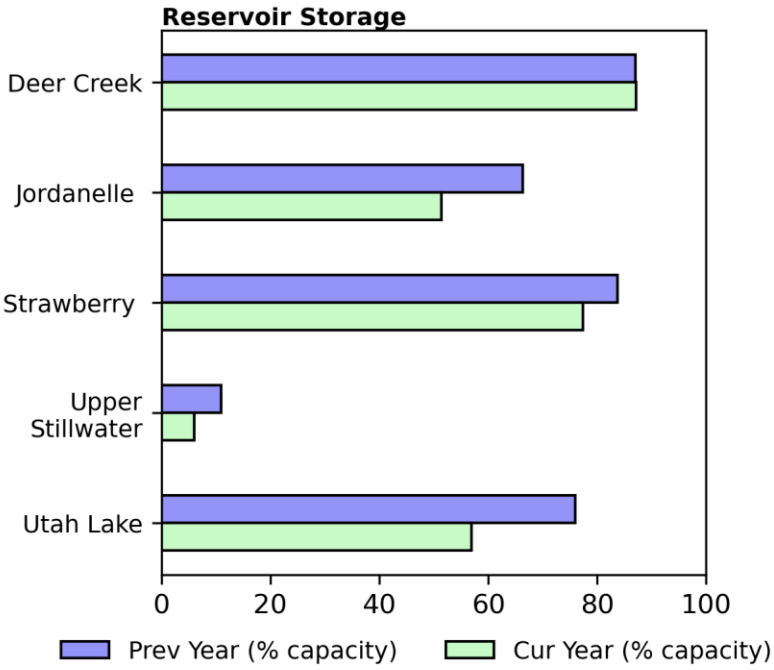
Provo-Jordan-Utah Lake | May 1, 2022

Snowpack in the Provo and Jordan River Basins is well below normal at 59% of median, compared to 66% at this time last year. Precipitation in April was below normal at 87%, which brings the seasonal accumulation (October-April) to 95% of median. Soil moisture is at 80% saturation compared to 74% saturation last year. Reservoir storage is 66% of capacity, compared to 78% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 41% to 87% of normal. The Surface Water Supply Index percentile is 3% for the Provo.



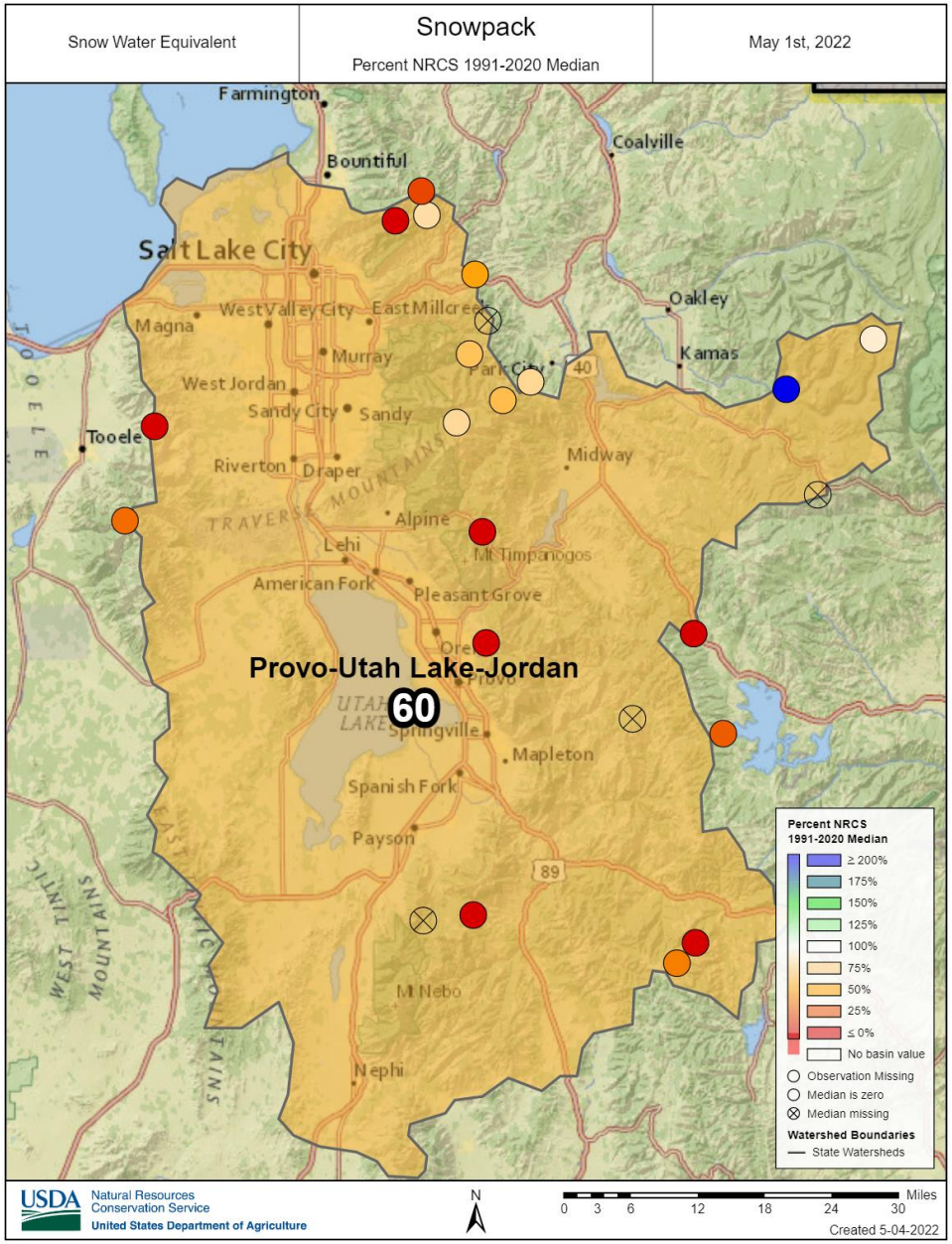


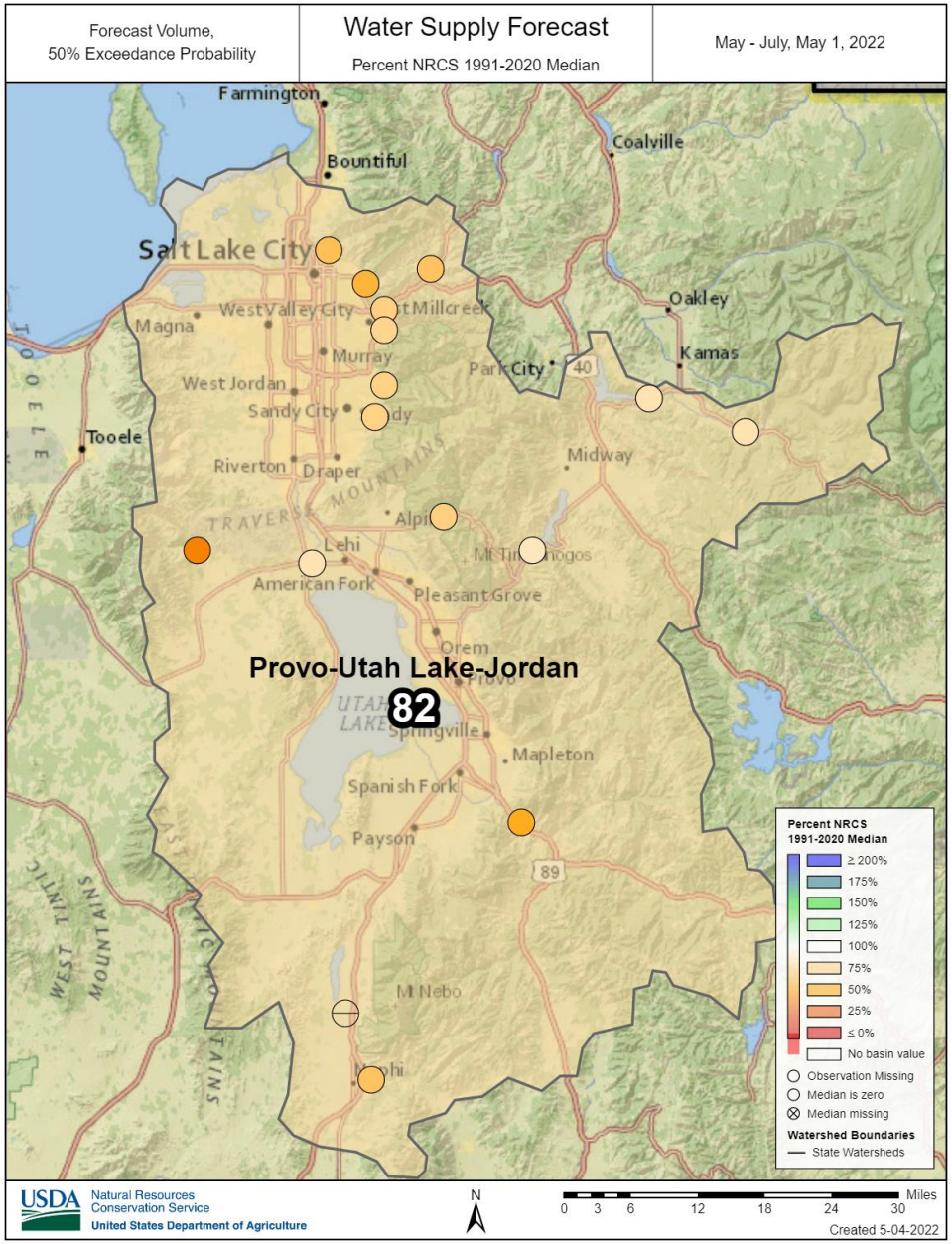




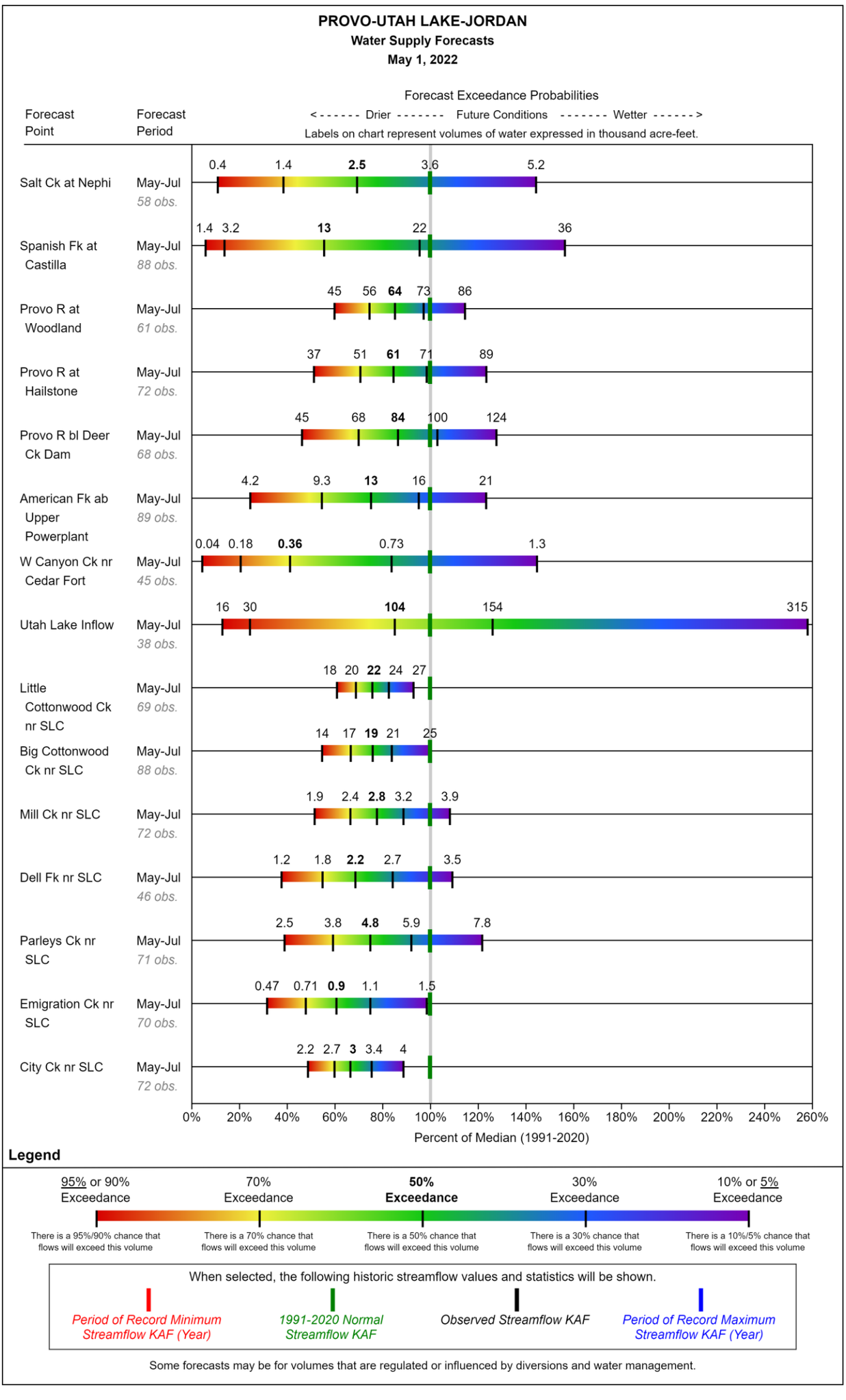
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Provo-Utah Lake-Jordan



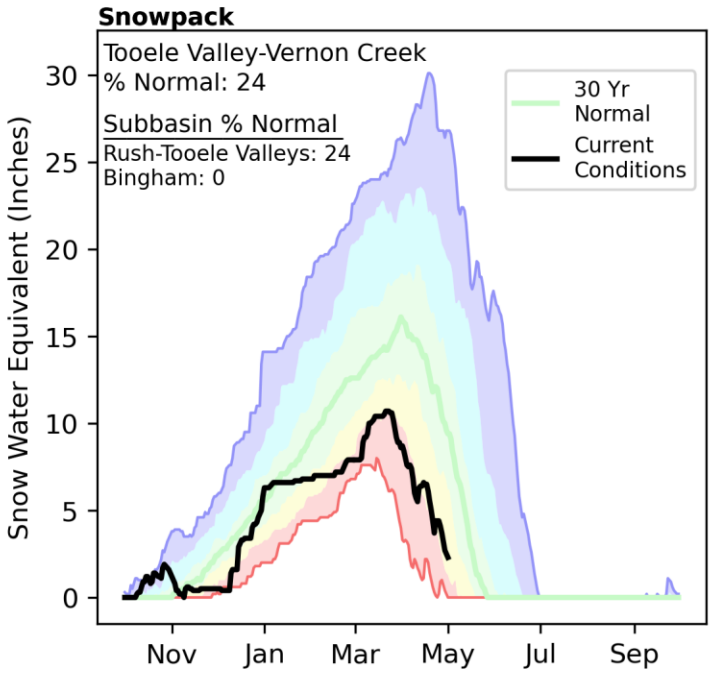


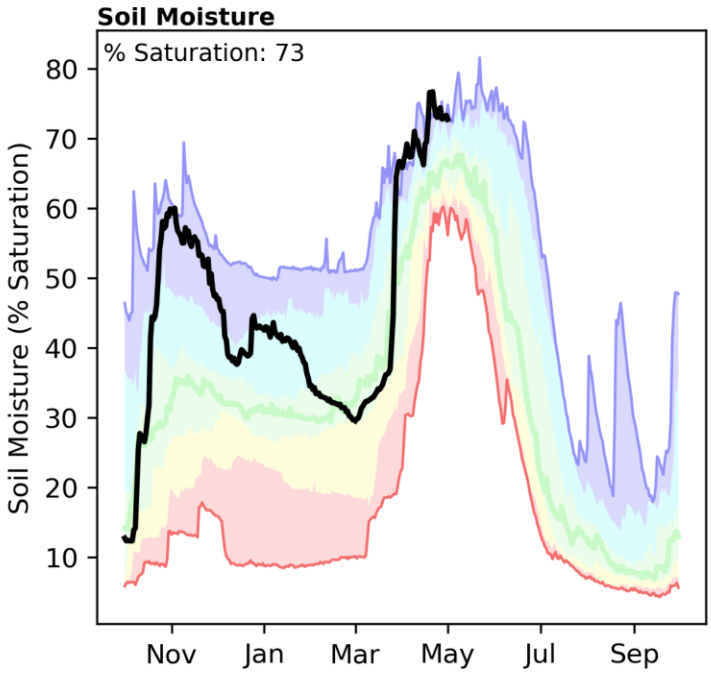
Provo-Utah Lake-Jordan

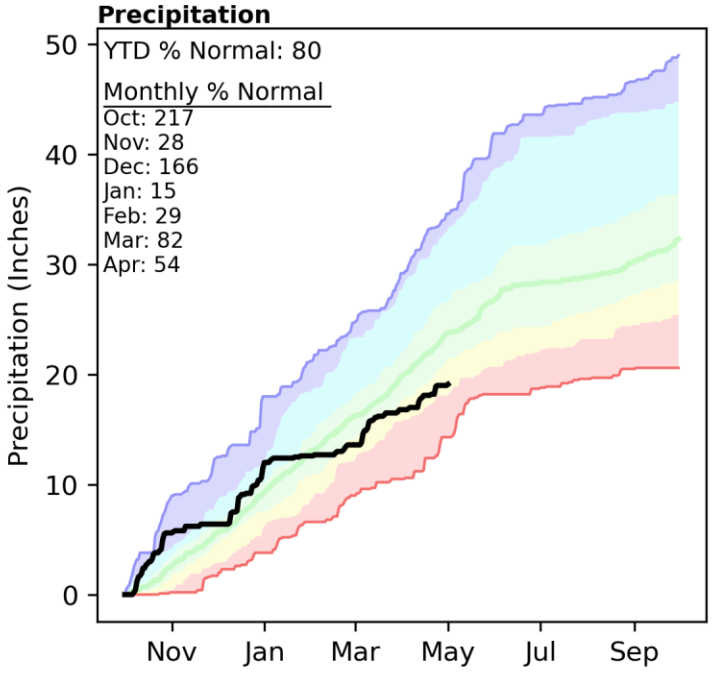


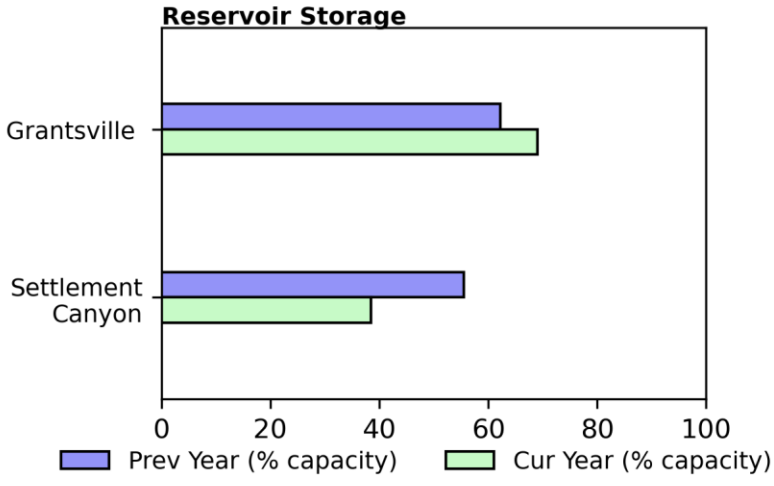
Tooele Valley-Vernon Creek | May 1, 2022

Snowpack in the Tooele Valley and West Desert Region is well below normal at 24% of median, compared to 56% at this time last year. Precipitation in April was well below normal at 54%, which brings the seasonal accumulation (October-April) to 80% of median. Soil moisture is at 73% saturation compared to 75% saturation last year. Reservoir storage is 61% of capacity, compared to 60% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 43% to 62% of normal.



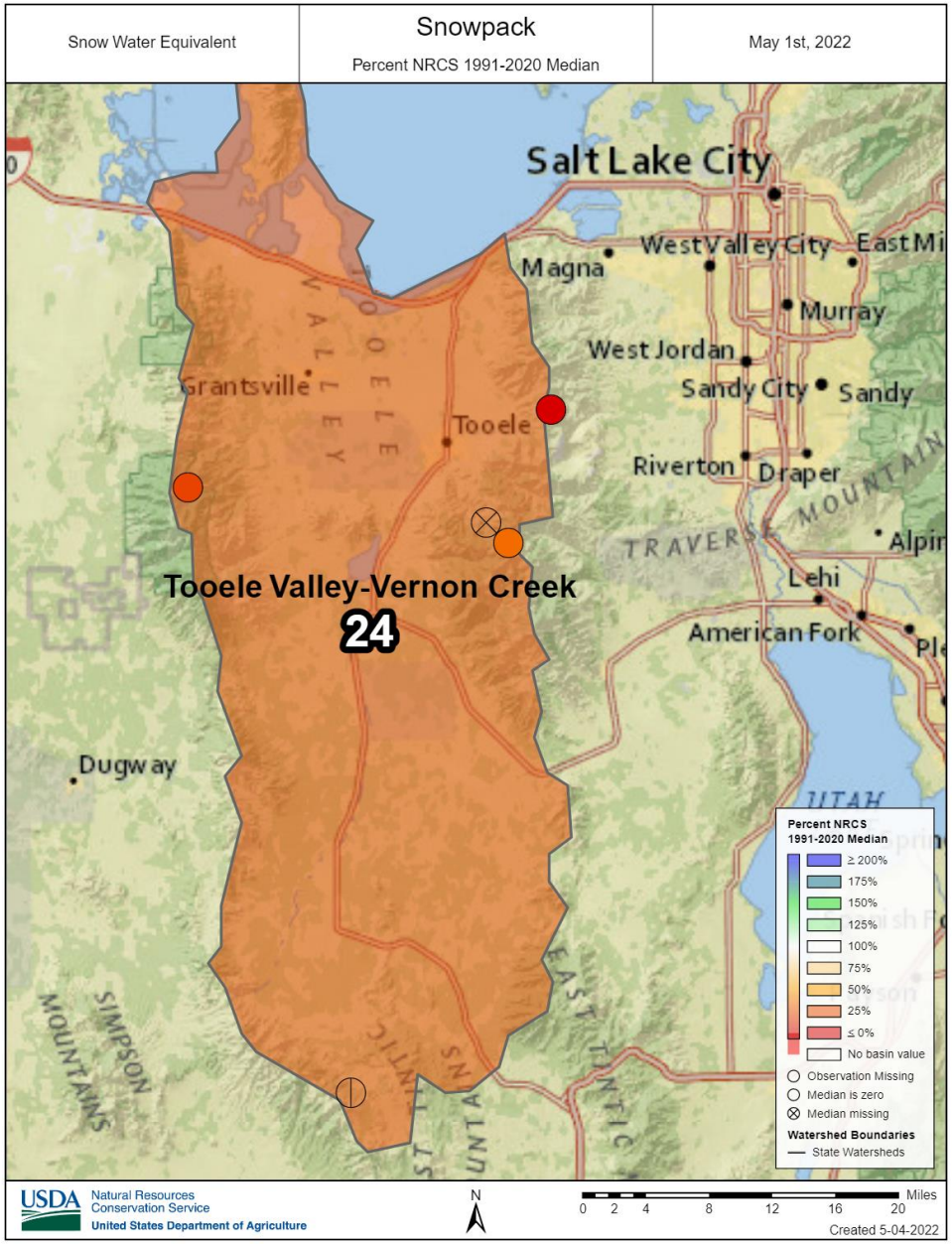


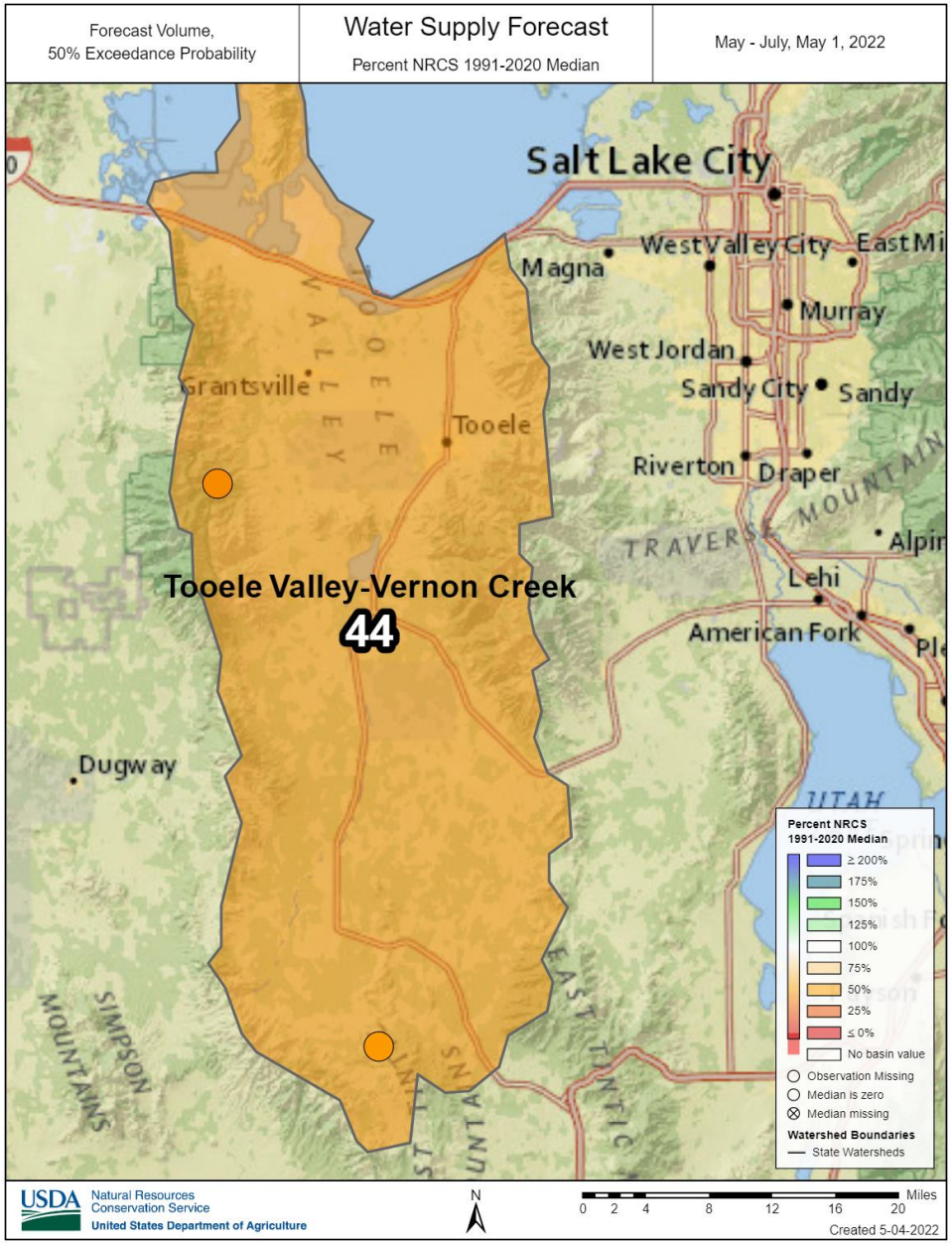




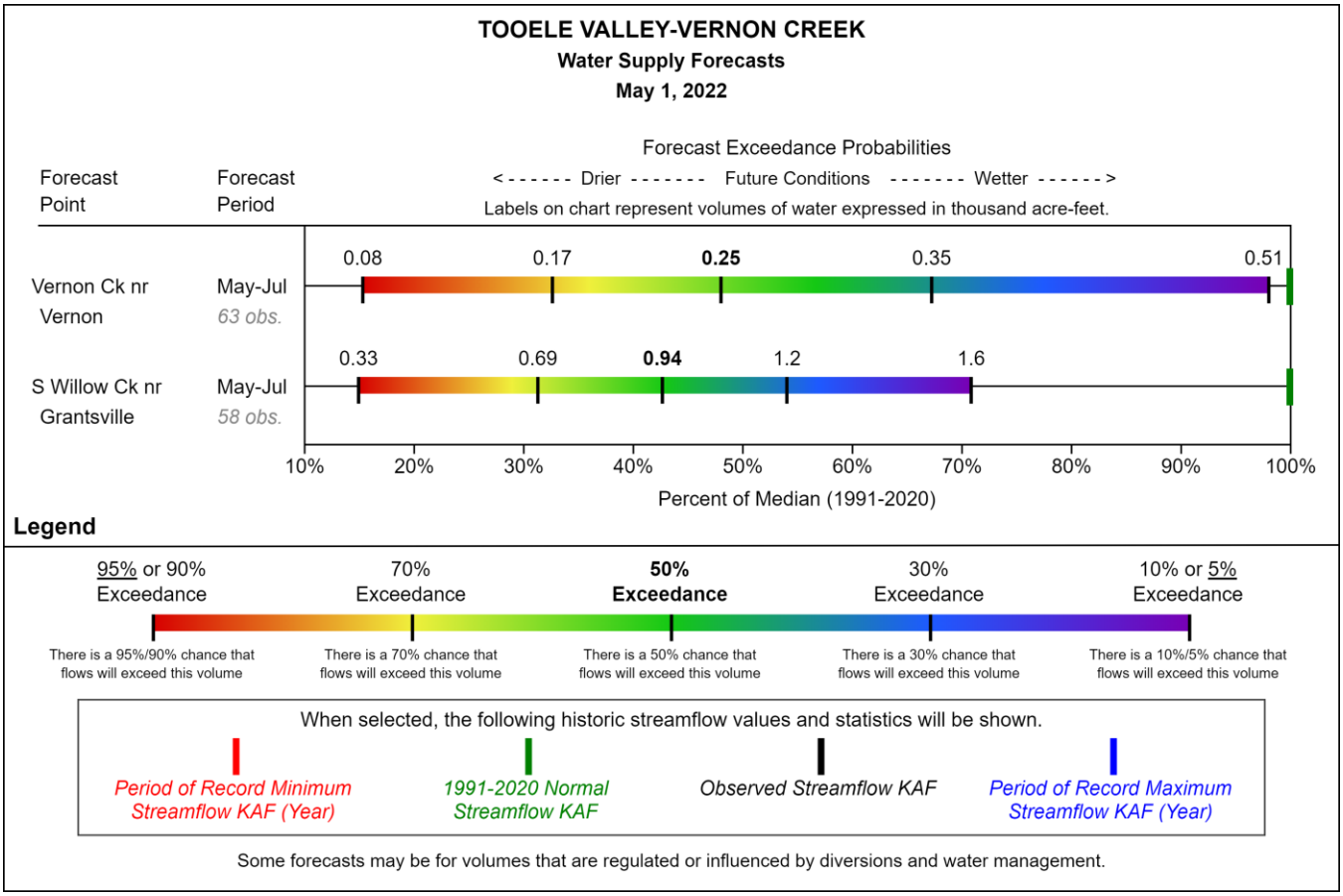
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Tooele Valley-Vernon Creek





Tooele Valley-Vernon Creek

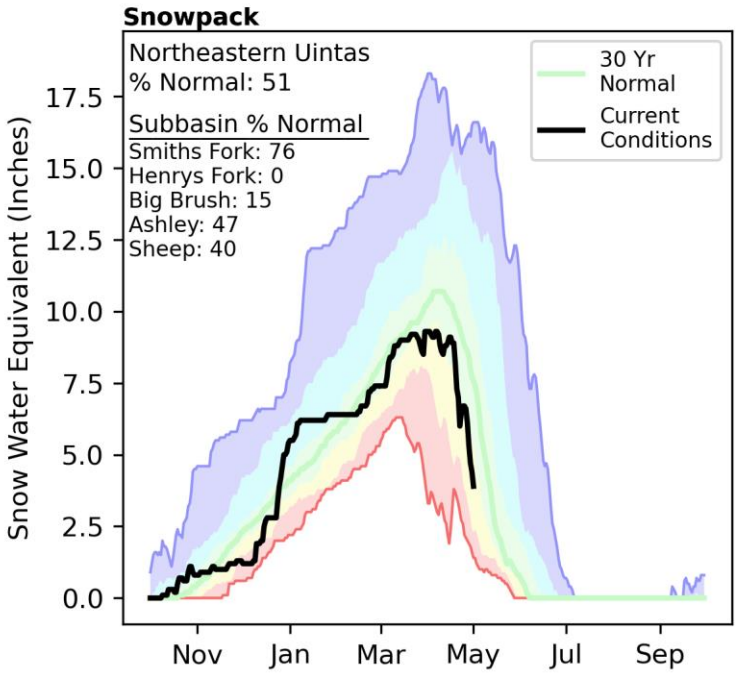


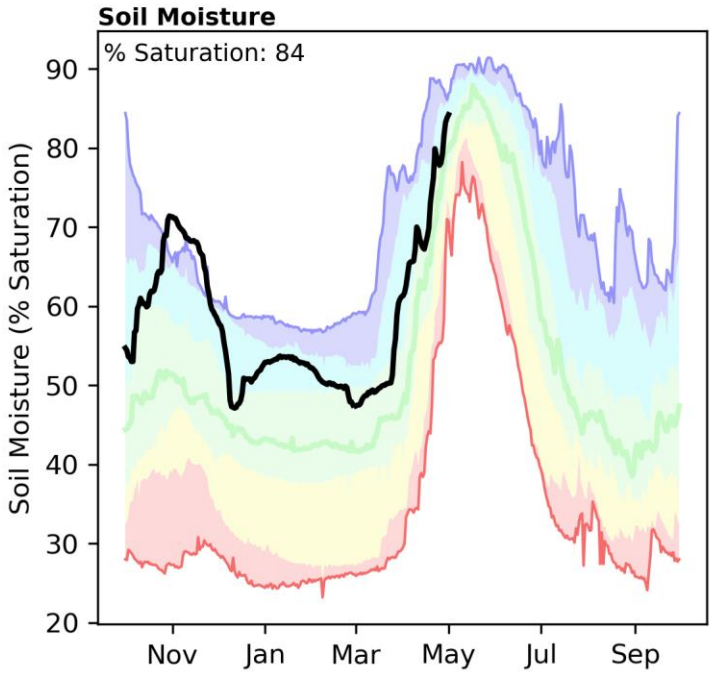
Legend

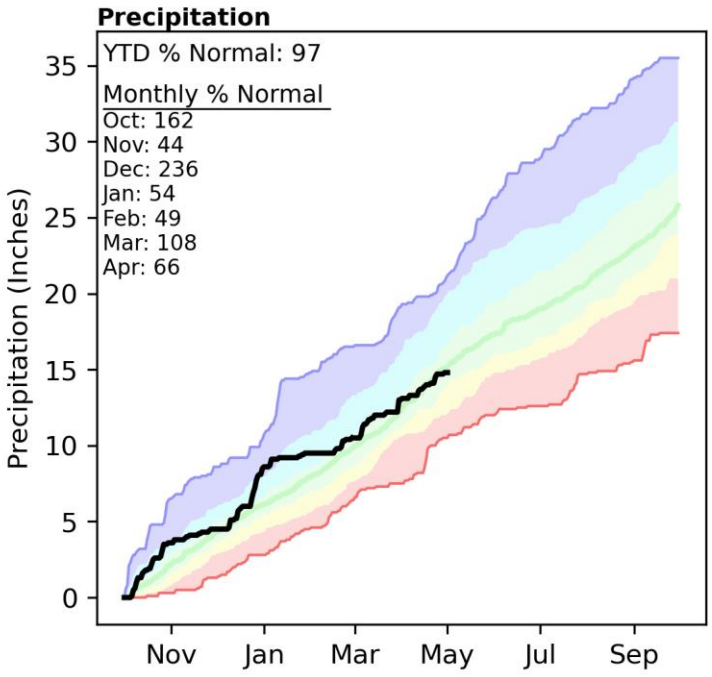
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

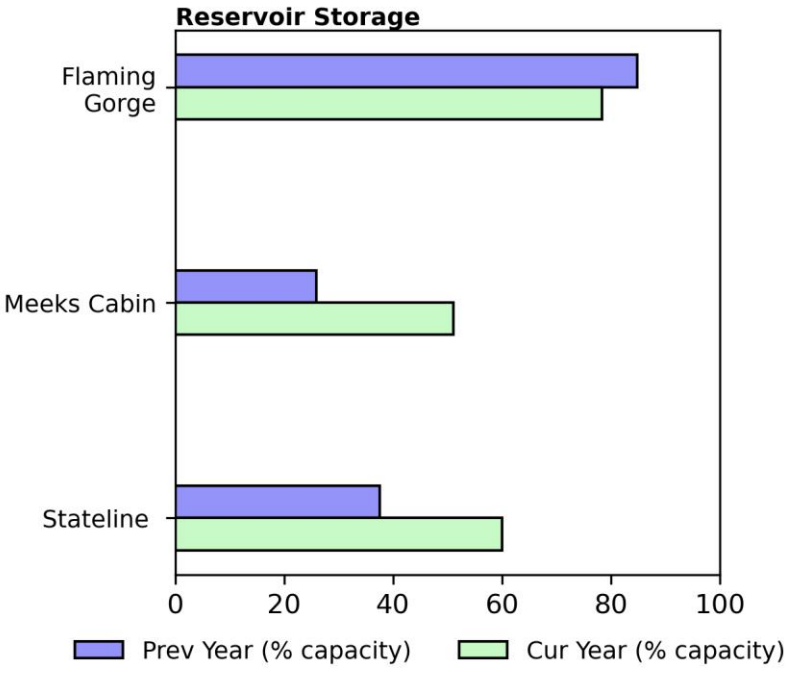
Northeastern Uintas | May 1, 2022

Snowpack in the Northeastern Uintas is well below normal at 51% of median, compared to 74% at this time last year. Precipitation in April was well below normal at 66%, which brings the seasonal accumulation (October-April) to 97% of median. Soil moisture is at 84% saturation compared to 80% saturation last year. Reservoir storage is 78% of capacity, compared to 84% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 60% to 84% of normal. The Surface Water Supply Index percentiles are 30% for the Blacks Fork, and 35% for the Smiths Fork.



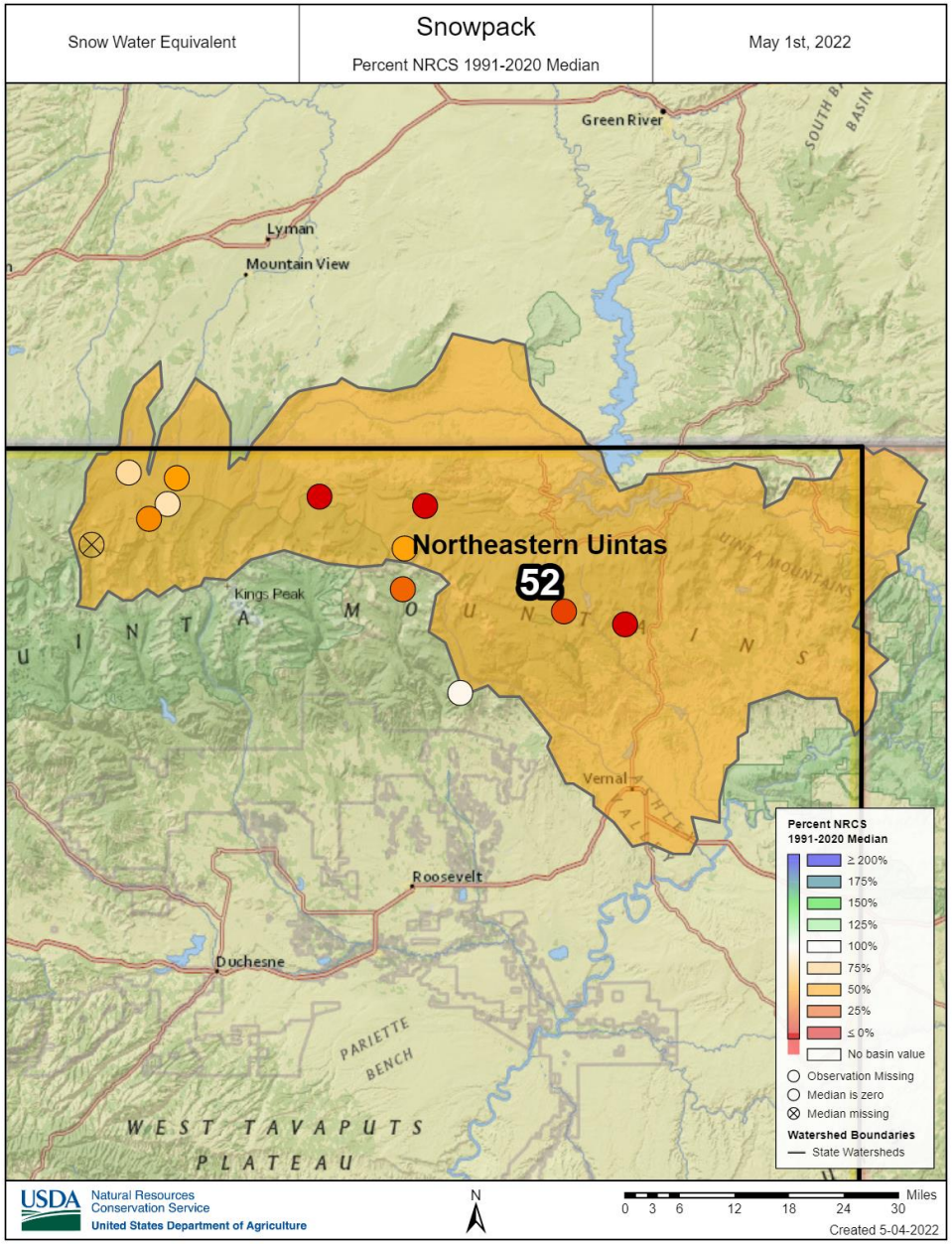


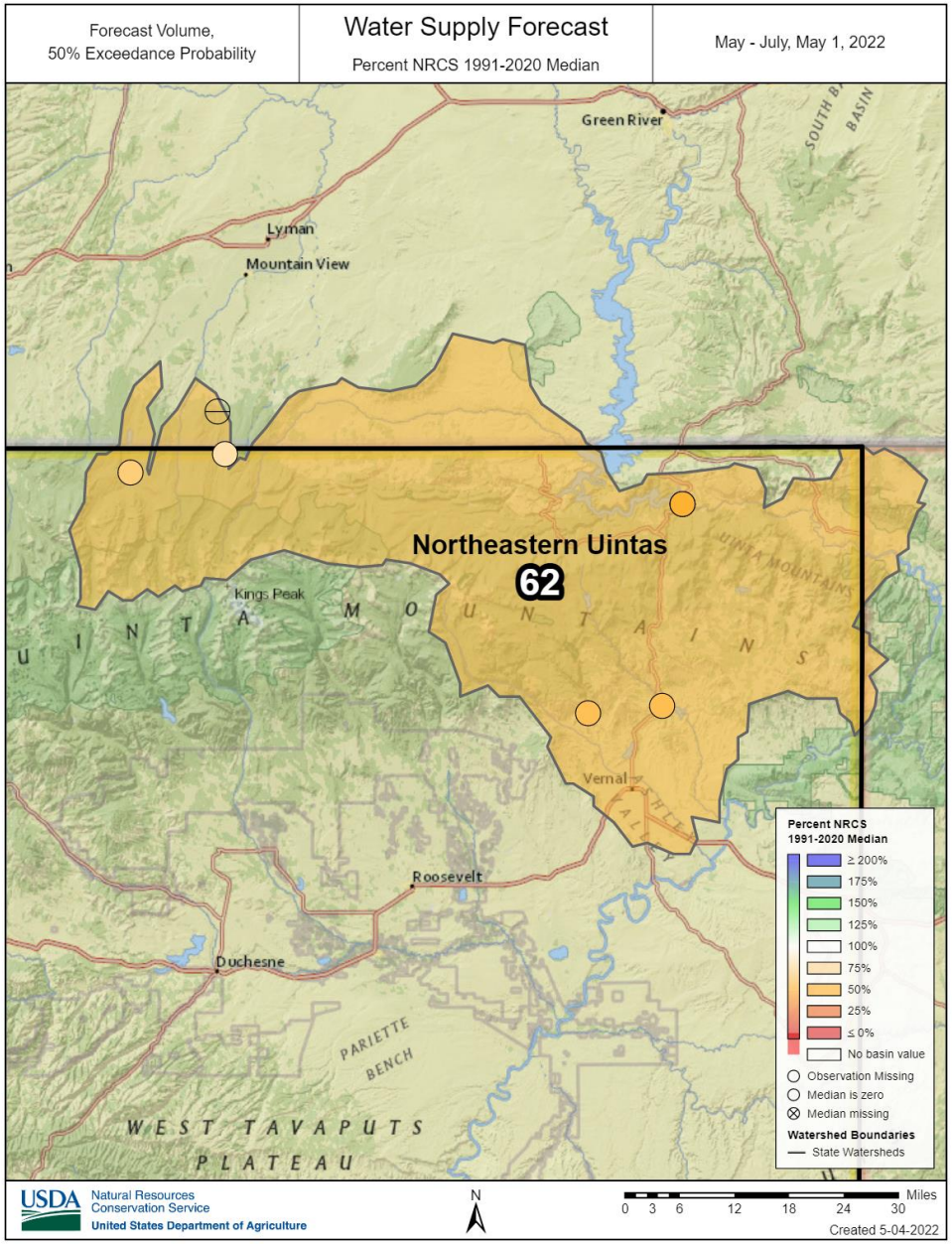




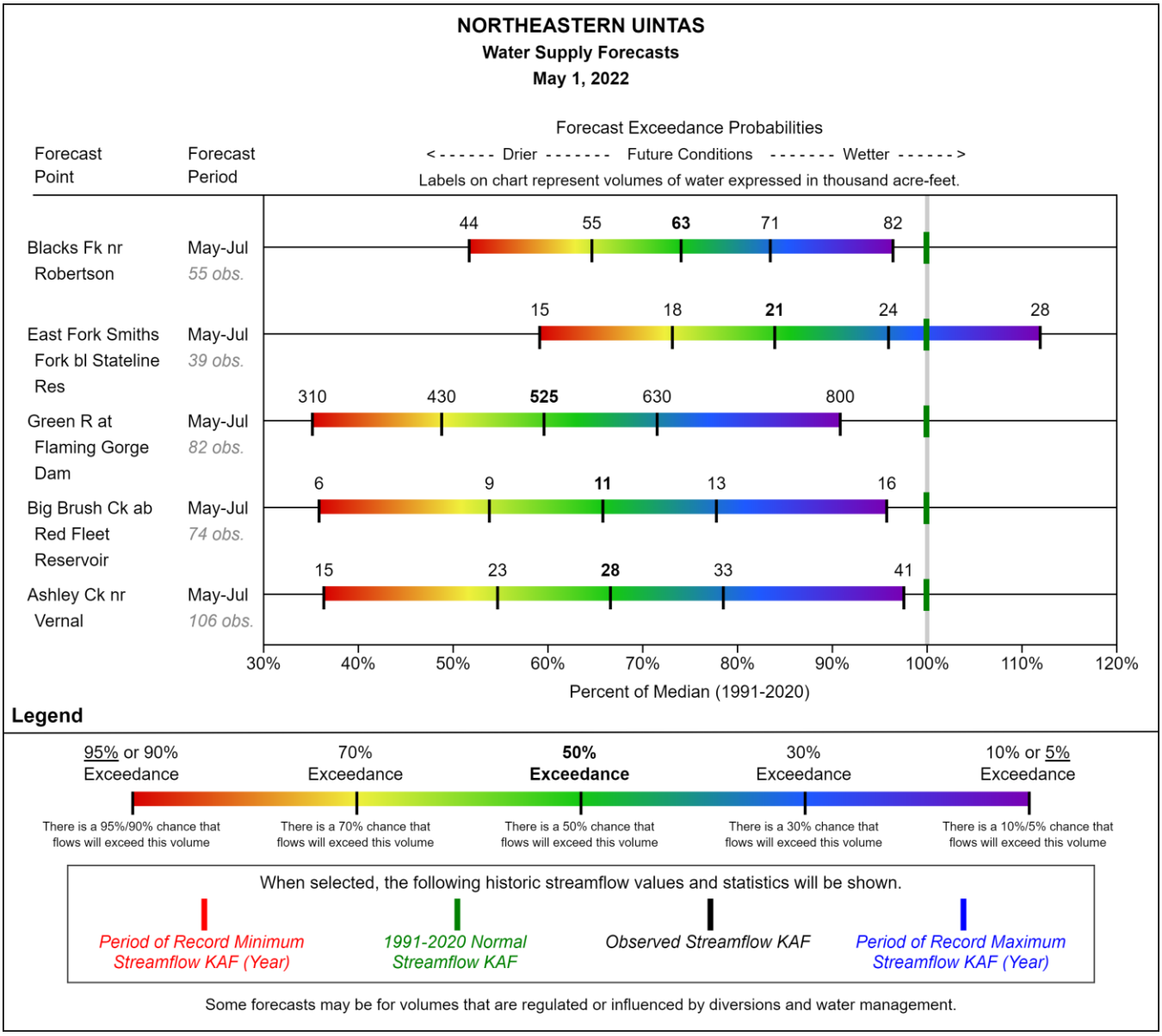
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Northeastern Uintas





Northeastern Uintas



Legend

95% or 90% Exceedance — There is a 95%/90% chance that flows will exceed this volume

70% Exceedance — There is a 70% chance that flows will exceed this volume

50% Exceedance — There is a 50% chance that flows will exceed this volume

30% Exceedance — There is a 30% chance that flows will exceed this volume

10% or 5% Exceedance — There is a 10%/5% chance that flows will exceed this volume

When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year)

1991-2020 Normal Streamflow KAF

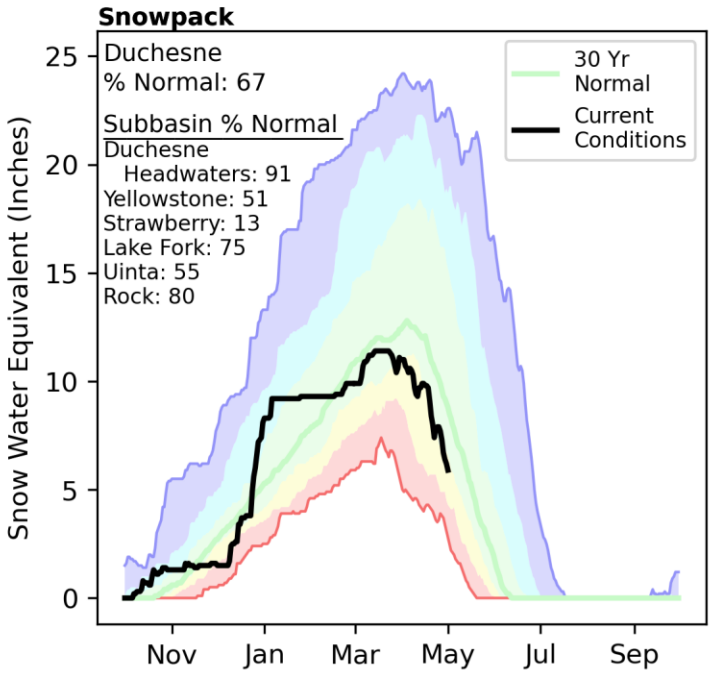
Observed Streamflow KAF

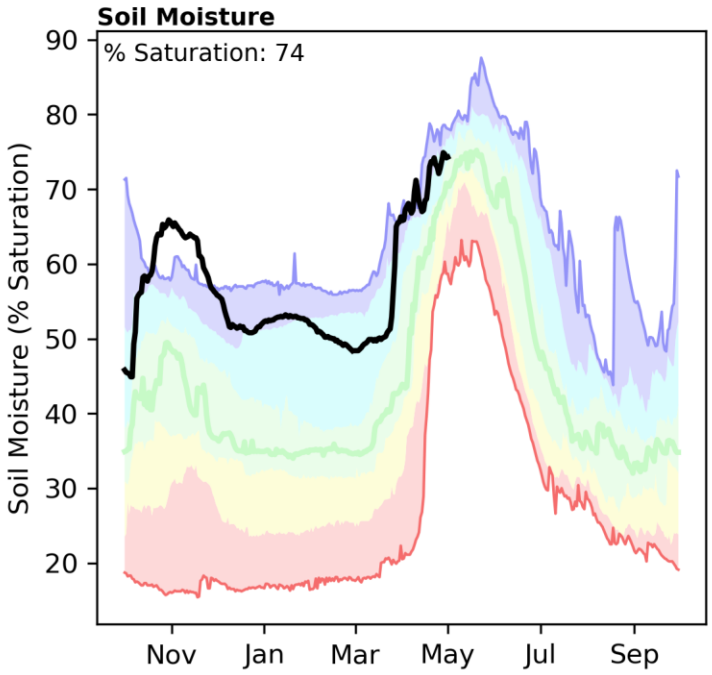
Period of Record Maximum Streamflow KAF (Year)

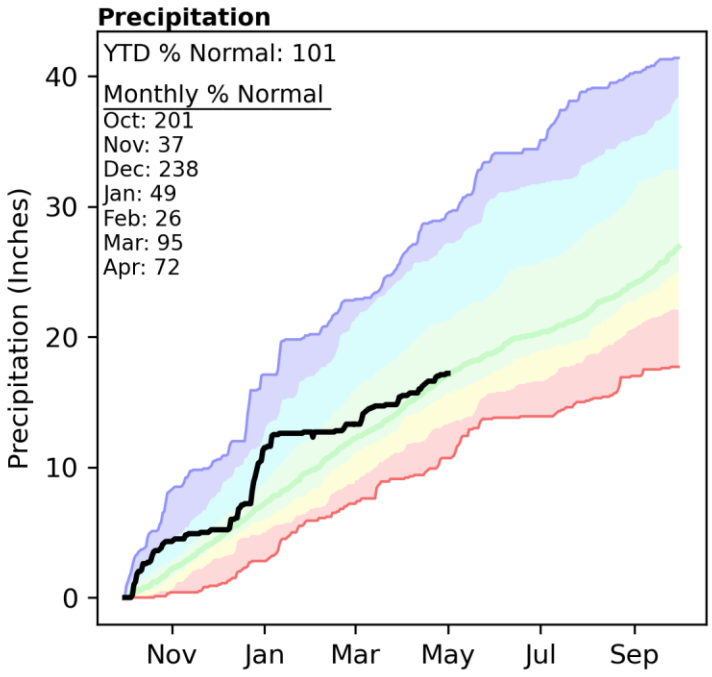
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

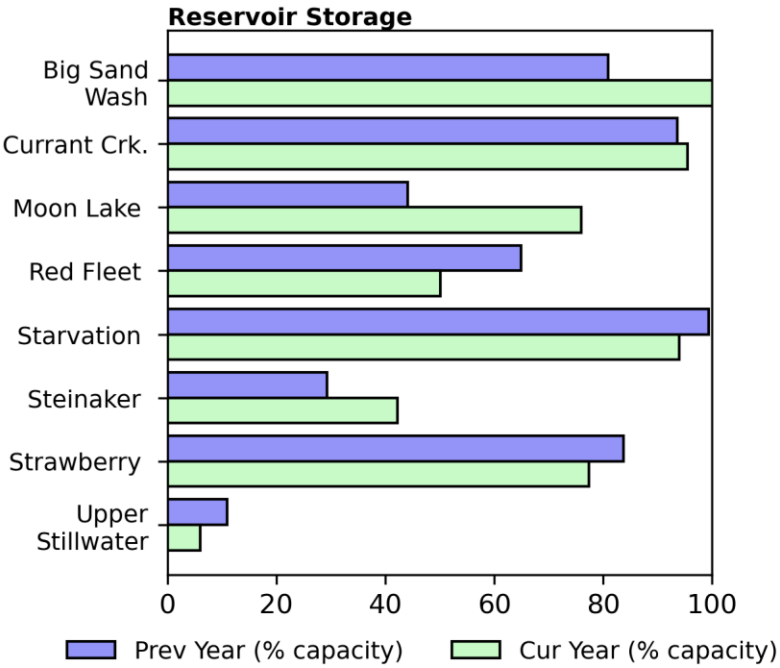
Duchesne | May 1, 2022

Snowpack in the Duchesne River Basin is well below normal at 67% of median, compared to 60% at this time last year. Precipitation in April was below normal at 72%, which brings the seasonal accumulation (October-April) to 101% of median. Soil moisture is at 74% saturation compared to 67% saturation last year. Reservoir storage is 76% of capacity, compared to 81% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 78% to 116% of normal. The Surface Water Supply Index percentiles are 44% for the Western Uintas, and 14% for the Eastern Uintas.



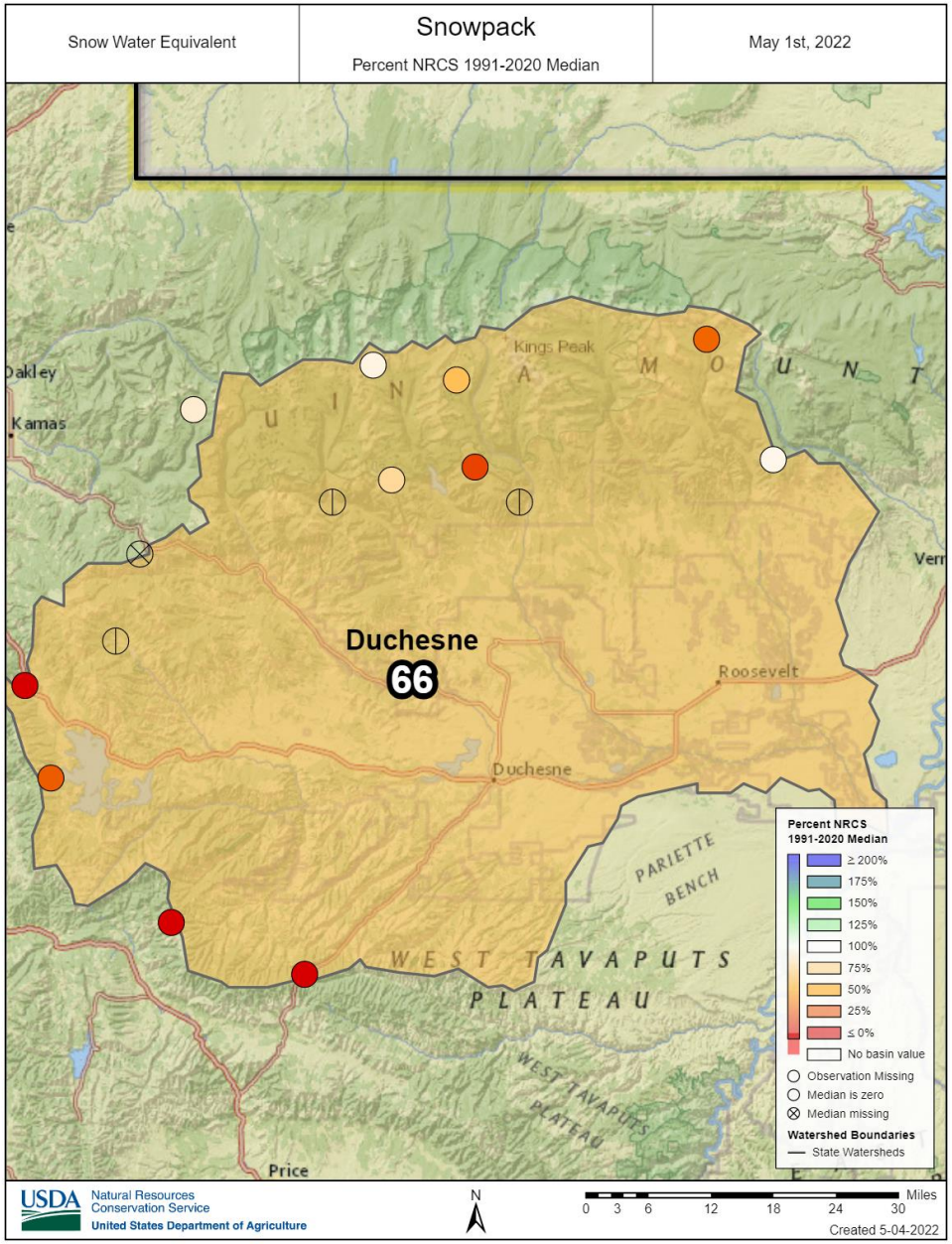


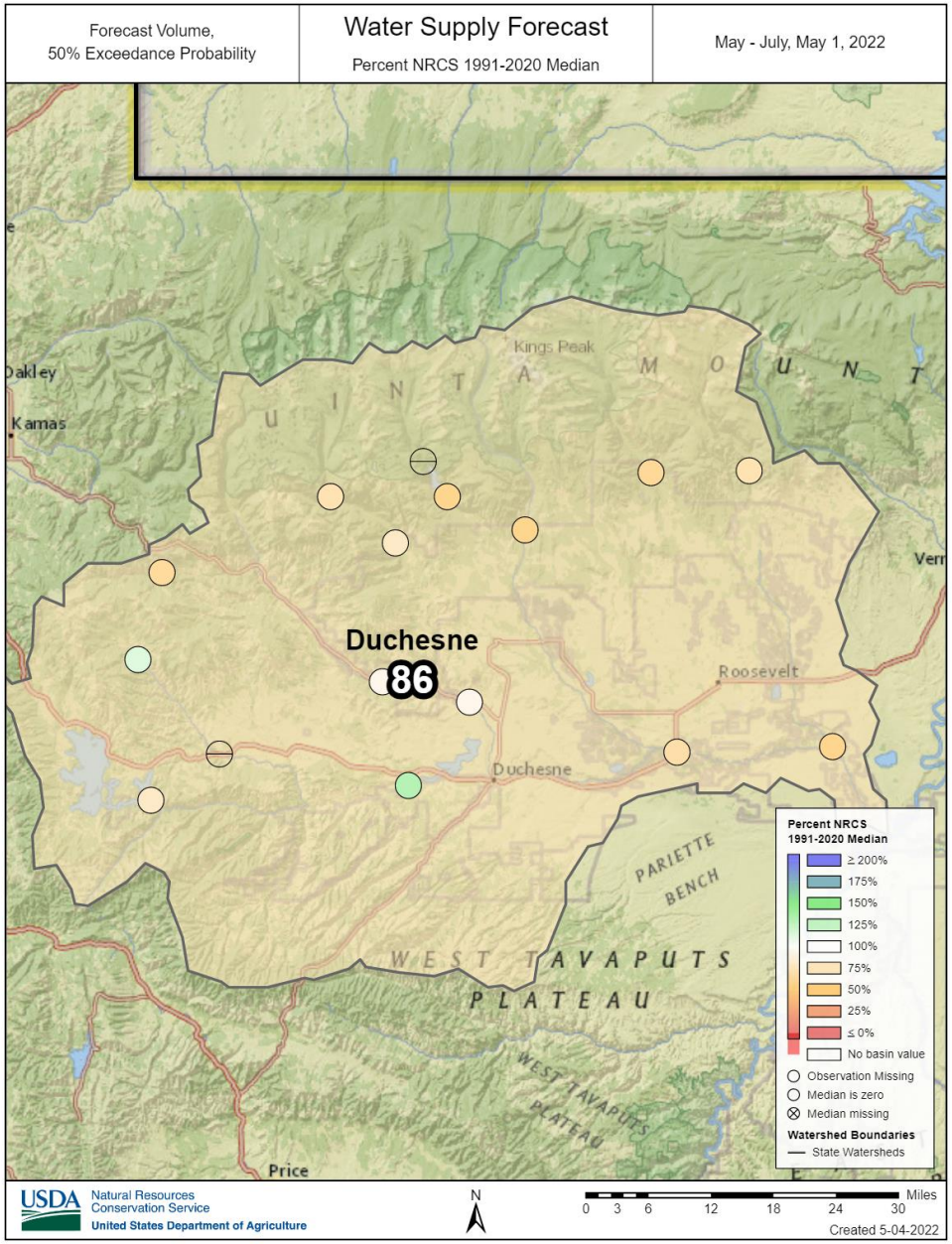




Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Duchesne


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
May 1st, 2022
Kings Peak
Dakley
Kamas
Duchesne
66
Roosevelt
Duchesne
PARIETTE BENCH
WEST TAVAPUTS PLATEAU
Price
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 3 6 12 18 24 30 Miles
Created 5-04-2022


Forecast Volume,
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
May - July, May 1, 2022
Kings Peak
Dakley
Kamas
Duchesne
86
Roosevelt
Duchesne
PARIETTE BENCH
WEST TAVAPUTS PLATEAU
Price
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 3 6 12 18 24 30 Miles
Created 5-04-2022

Duchesne

DUCHESNE
Water Supply Forecasts
May 1, 2022

Forecast Exceedance Probabilities
<------ Drier ------- Future Conditions ------- Wetter ------>
Labels on chart represent volumes of water expressed in thousand acre-feet.

Forecast Point	Forecast Period	10% or 5% Exceedance	30% Exceedance	**50% Exceedance**	70% Exceedance	95% or 90% Exceedance
WF Duchesne R at Vat Diversion	May-Jul *41 obs.*	14	12	**11**	9.8	8.2
Duchesne R nr Tabiona	May-Jul *68 obs.*	94	82	**74**	67	56
Rock Ck at Upper Stillwater Dam	May-Jul *41 obs.*	67	60	**56**	52	46
Rock Ck nr Mountain Home	May-Jul *84 obs.*	79	71	**66**	61	54
Duchesne R ab Knight Diversion	May-Jul *52 obs.*	172	154	**142**	131	115
Strawberry R nr Soldier Springs	May-Jul *30 obs.*	38	29	**24**	19	13
Currant Ck bl Currant Ck Dam	May-Jul *41 obs.*	15	13	**11**	9.5	7.5
Strawberry R nr Duchesne	May-Jul *54 obs.*	62	50	**43**	36	28
Lake Fk R bl Moon Lk nr Mountain Home	May-Jul *80 obs.*	53	46	**42**	38	32
Yellowstone R nr Altonah	May-Jul *77 obs.*	56	47	**42**	37	30
Duchesne R at Myton	May-Jul *63 obs.*	220	184	**160**	138	108
Uinta R bl Powerplant Diversion nr Neola	May-Jul *31 obs.*	71	57	**49**	42	32
Whiterocks R nr Whiterocks	May-Jul *98 obs.*	49	40	**35**	30	24
Duchesne R nr Randlett	May-Jul *63 obs.*	260	205	**176**	147	109

40% 50% 60% 70% 80% 90% 100% 110% 120% 130% 140% 150% 160% 170%
Percent of Median (1991-2020)

Legend

95% or 90% Exceedance	70% Exceedance	**50% Exceedance**	30% Exceedance	10% or 5% Exceedance
There is a 95%/90% chance that flows will exceed this volume	There is a 70% chance that flows will exceed this volume	There is a 50% chance that flows will exceed this volume	There is a 30% chance that flows will exceed this volume	There is a 10%/5% chance that flows will exceed this volume

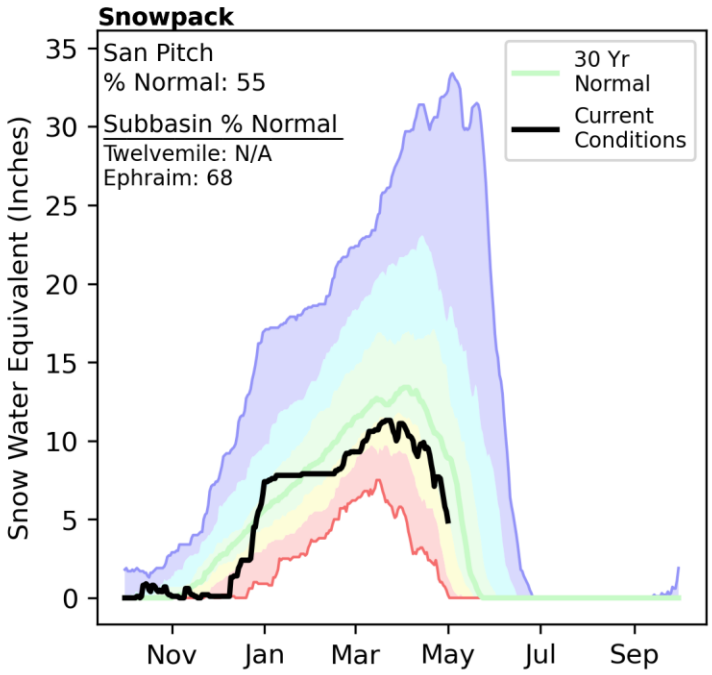
When selected, the following historic streamflow values and statistics will be shown.

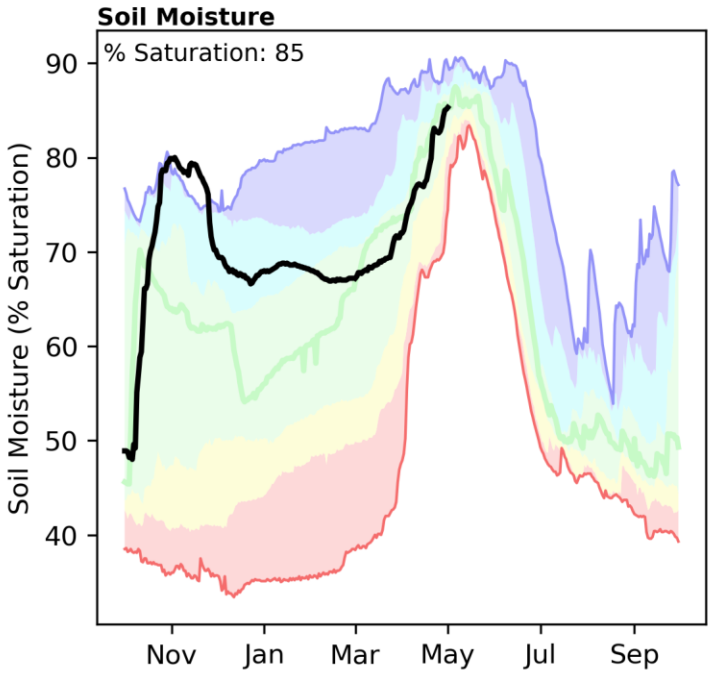
Period of Record Minimum Streamflow KAF (Year)	*1991-2020 Normal Streamflow KAF*	*Observed Streamflow KAF*	*Period of Record Maximum Streamflow KAF (Year)*

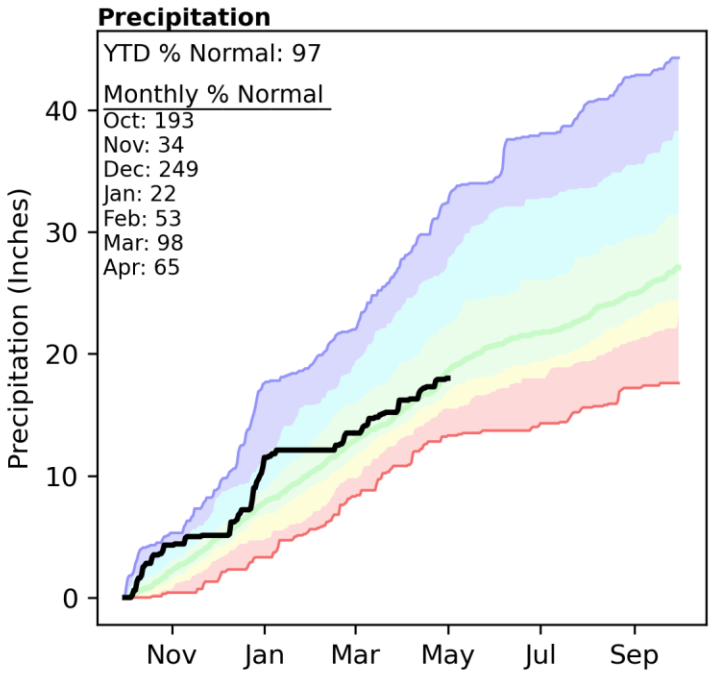
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

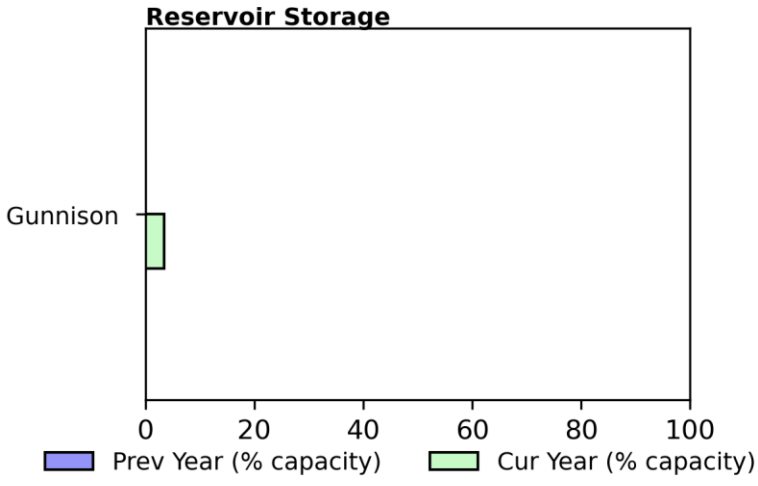
San Pitch | May 1, 2022

Snowpack in the San Pitch River Basin is well below normal at 55% of median, compared to 39% at this time last year. Precipitation in April was well below normal at 65%, which brings the seasonal accumulation (October-April) to 97% of median. Soil moisture is at 85% saturation compared to 74% saturation last year. Reservoir storage is 3% of capacity, compared to 0% last year. The forecast streamflow volume (50% exceedence, May-July) for Manti Creek is 58% of normal The Surface Water Supply Index percentile is 7% for the San Pitch.



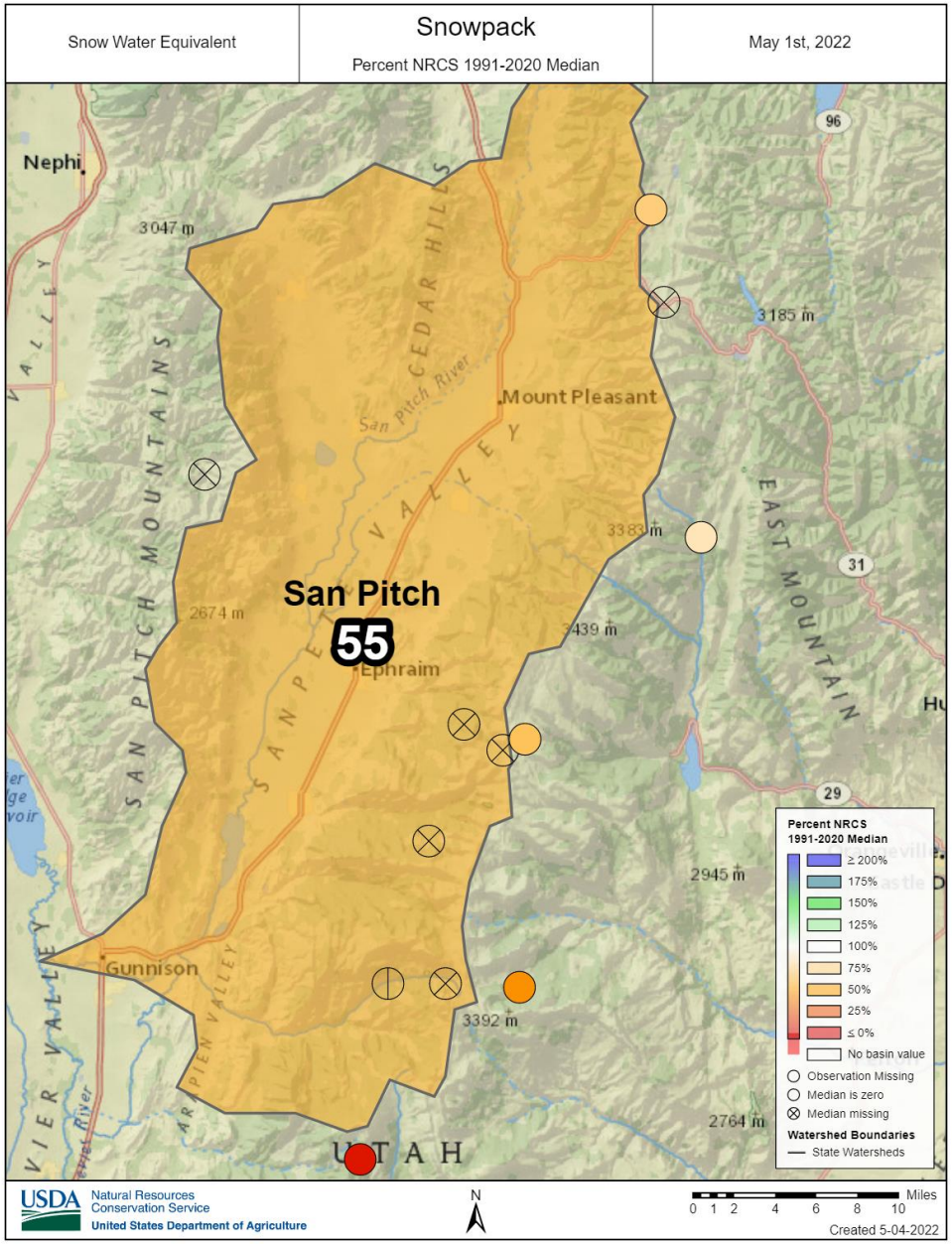


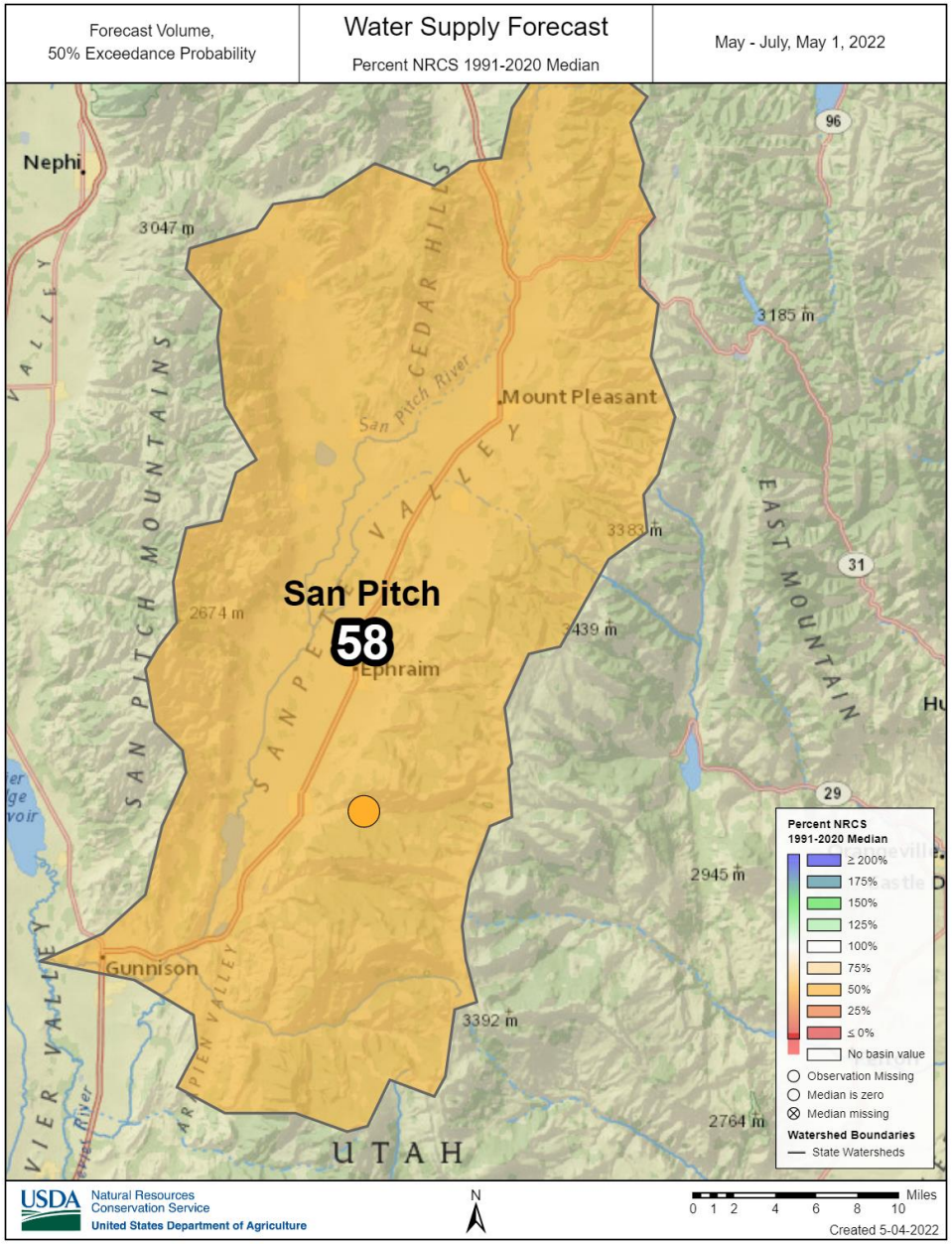




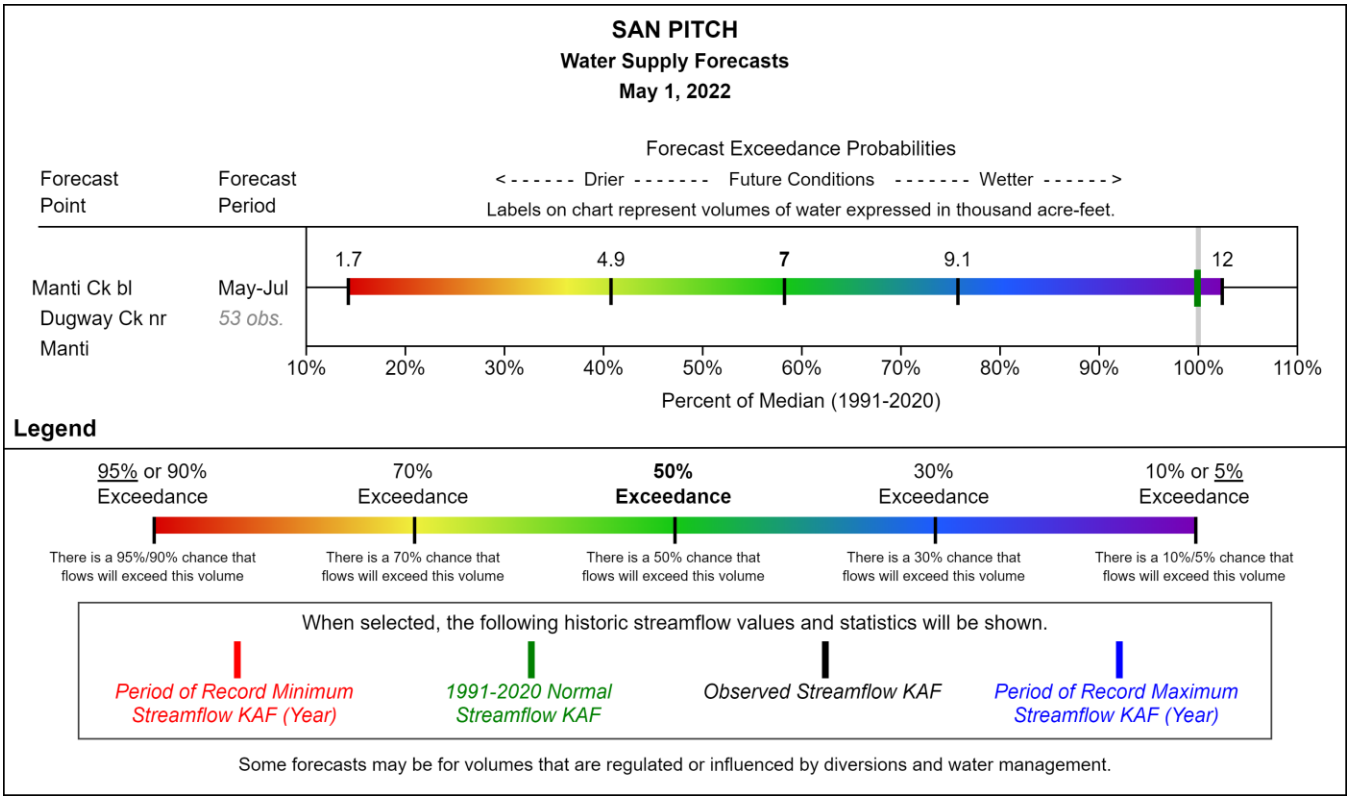
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

San Pitch


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
May 1st, 2022
Nephi
Mount Pleasant
Ephraim
Gunnison
San Pitch
55
UTAH
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
Miles
0 1 2 4 6 8 10
Created 5-04-2022

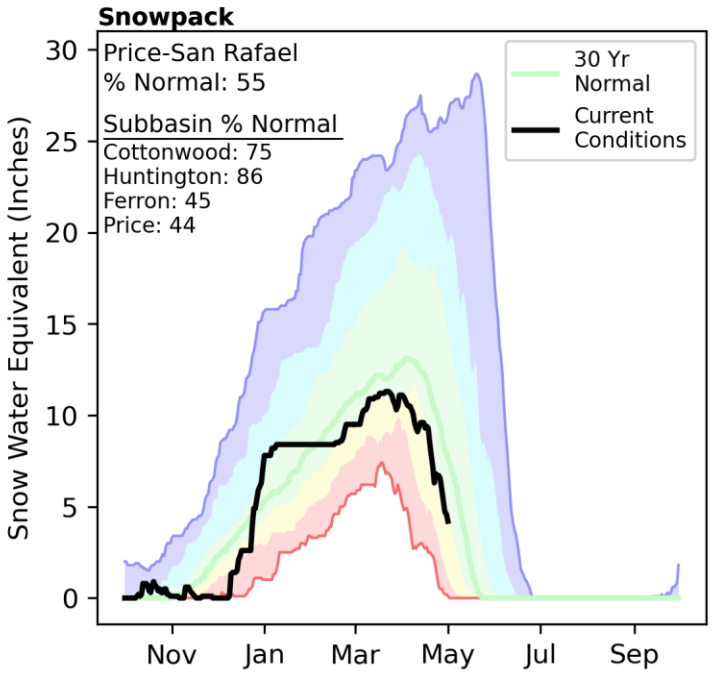

Forecast Volume,
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
May - July, May 1, 2022
Nephi
Mount Pleasant
Ephraim
Gunnison
San Pitch
58
UTAH
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
Miles
0 1 2 4 6 8 10
Created 5-04-2022

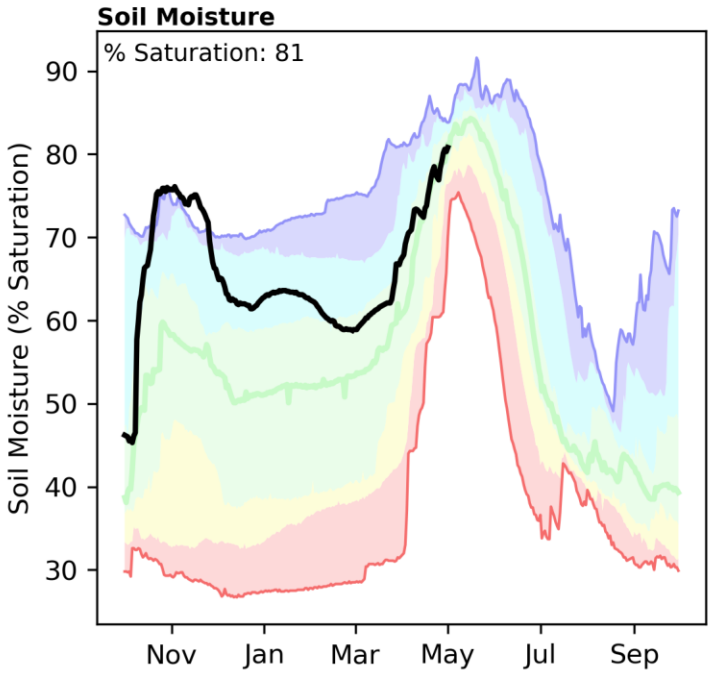
San Pitch

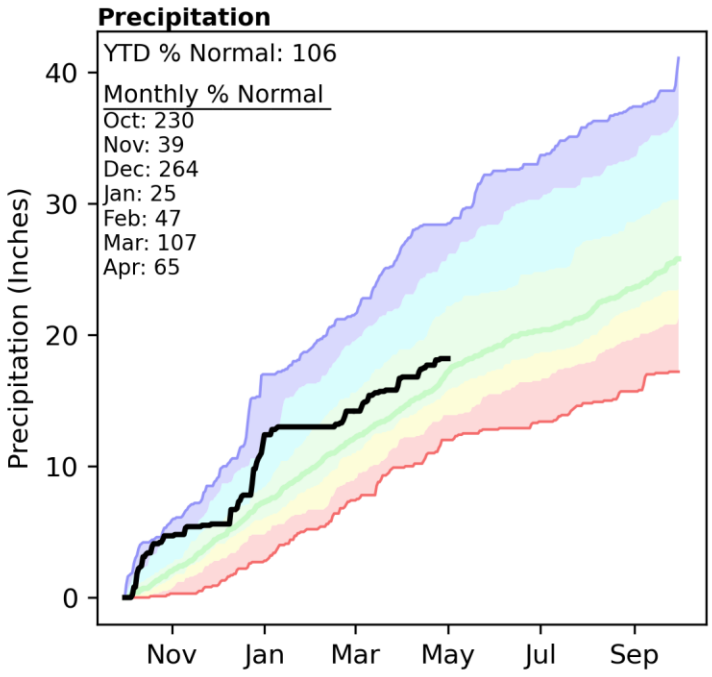

SAN PITCH
Water Supply Forecasts
May 1, 2022
Forecast Exceedance Probabilities
Forecast Point
Forecast Period
<------- Drier ------- Future Conditions ------- Wetter ------>
Labels on chart represent volumes of water expressed in thousand acre-feet.
Manti Ck bl Dugway Ck nr Manti
May-Jul
53 obs.
1.7
4.9
7
9.1
12
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
110%
Percent of Median (1991-2020)
Legend
95% or 90% Exceedance
There is a 95%/90% chance that flows will exceed this volume
70% Exceedance
There is a 70% chance that flows will exceed this volume
50% Exceedance
There is a 50% chance that flows will exceed this volume
30% Exceedance
There is a 30% chance that flows will exceed this volume
10% or 5% Exceedance
There is a 10%/5% chance that flows will exceed this volume
When selected, the following historic streamflow values and statistics will be shown.
Period of Record Minimum Streamflow KAF (Year)
1991-2020 Normal Streamflow KAF
Observed Streamflow KAF
Period of Record Maximum Streamflow KAF (Year)
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

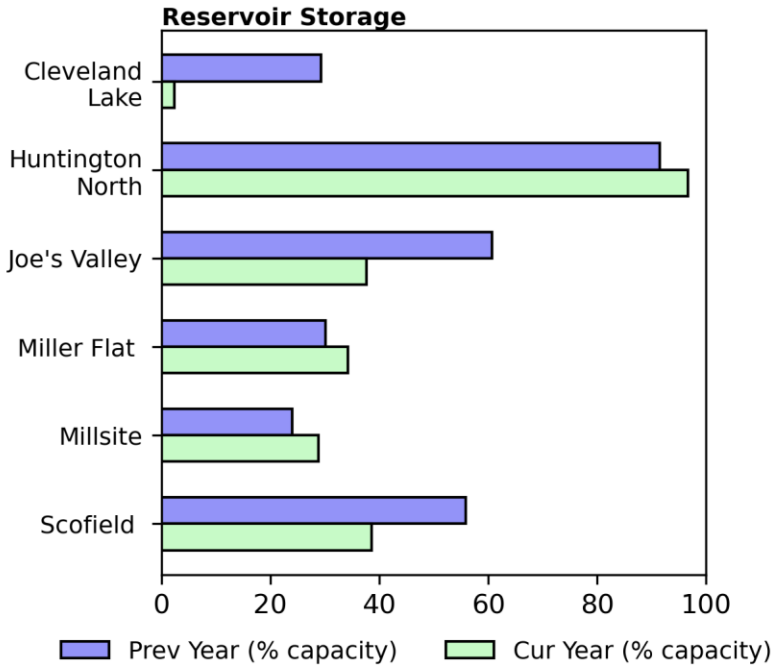
Price-San Rafael | May 1, 2022

Snowpack in the Price and San Rafael River Basins is well below normal at 55% of median, compared to 34% at this time last year. Precipitation in April was well below normal at 65%, which brings the seasonal accumulation (October-April) to 106% of median. Soil moisture is at 81% saturation compared to 70% saturation last year. Reservoir storage is 37% of capacity, compared to 53% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 72% to 96% of normal. The Surface Water Supply Index percentiles are 28% for the Price, 5% for Joes Valley, and 16% for Ferron Creek.



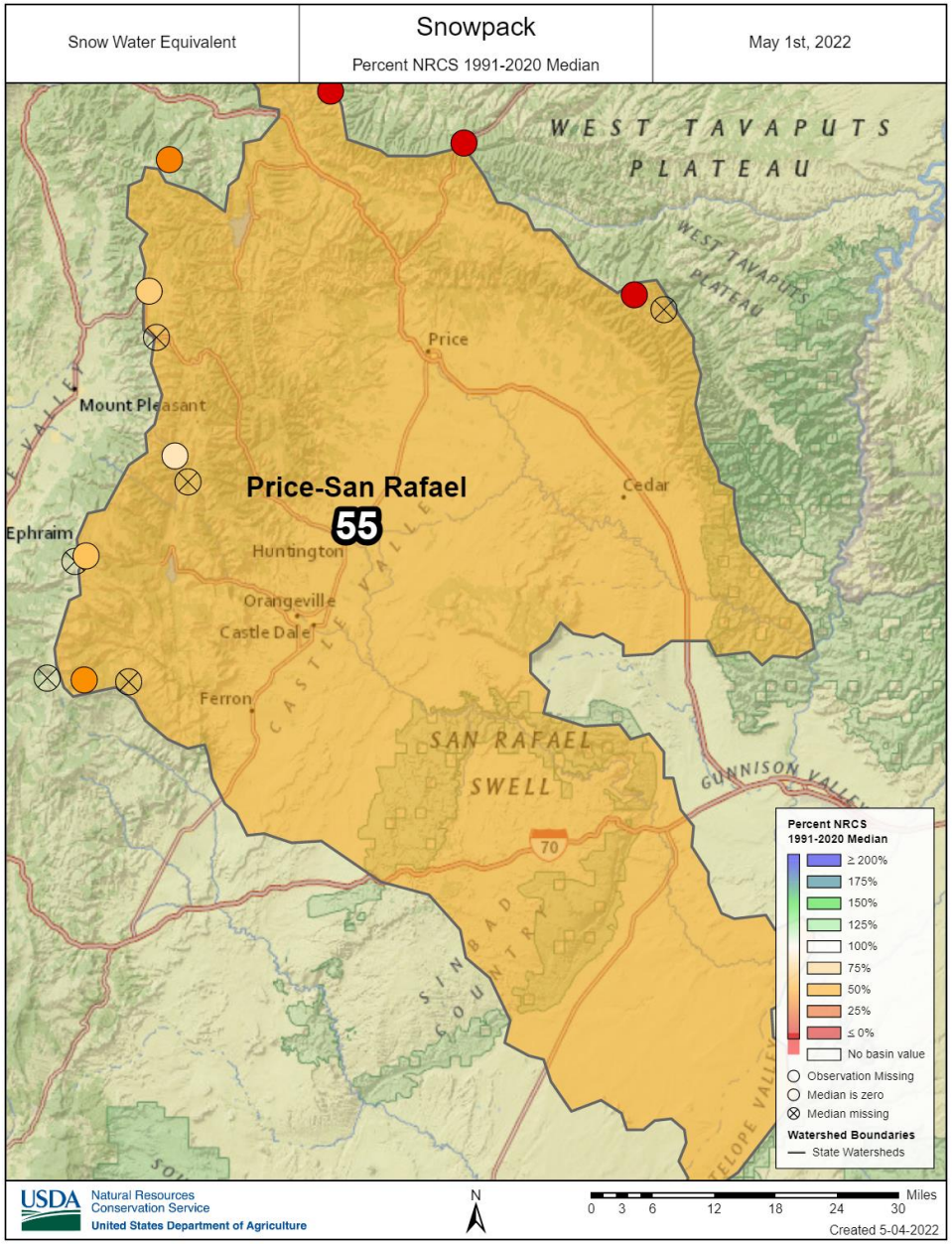


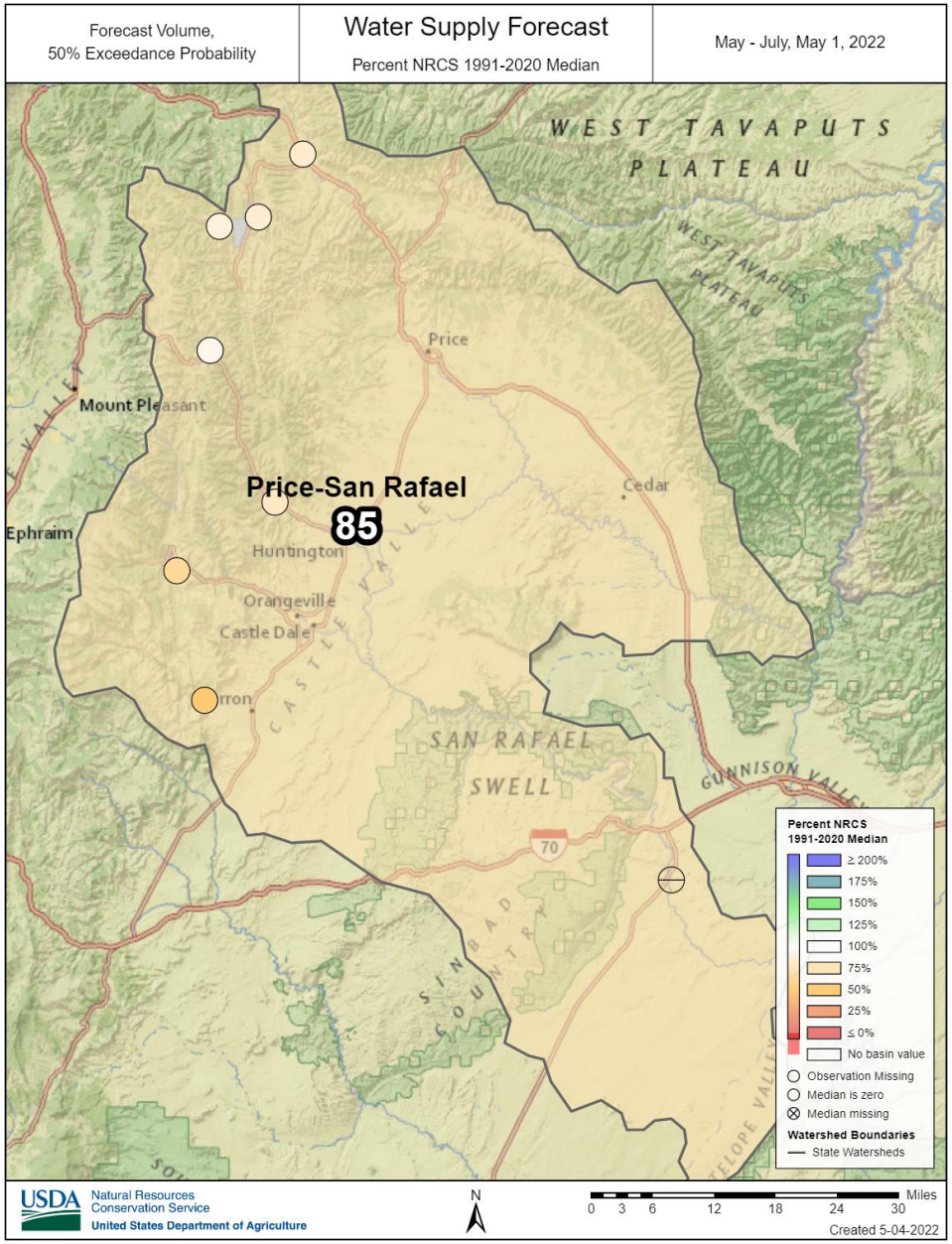




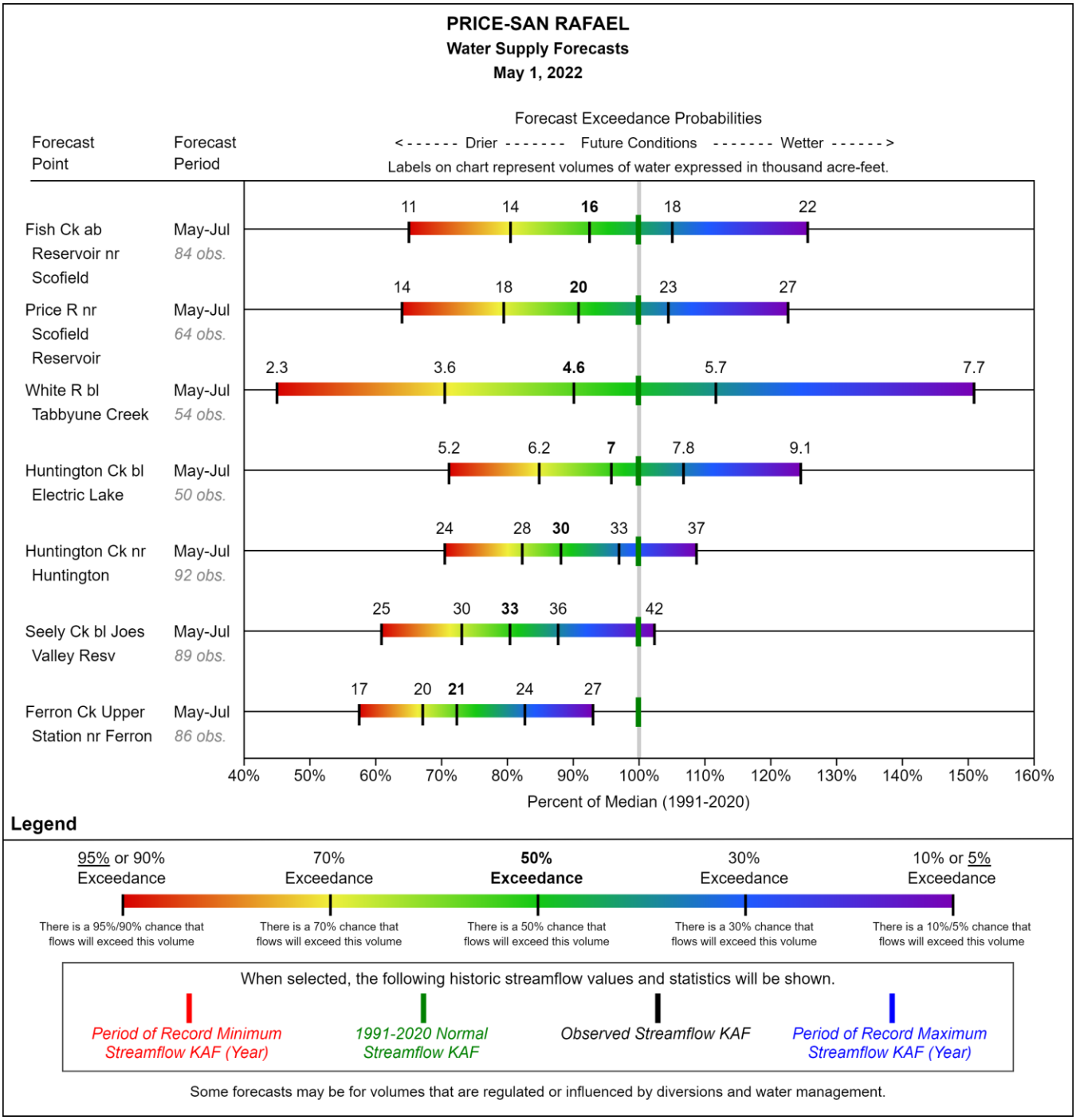
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Price San-Rafael





Price-San Rafael



Legend

95% or 90% Exceedance — There is a 95%/90% chance that flows will exceed this volume

70% Exceedance — There is a 70% chance that flows will exceed this volume

50% Exceedance — There is a 50% chance that flows will exceed this volume

30% Exceedance — There is a 30% chance that flows will exceed this volume

10% or 5% Exceedance — There is a 10%/5% chance that flows will exceed this volume

When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year)

1991-2020 Normal Streamflow KAF

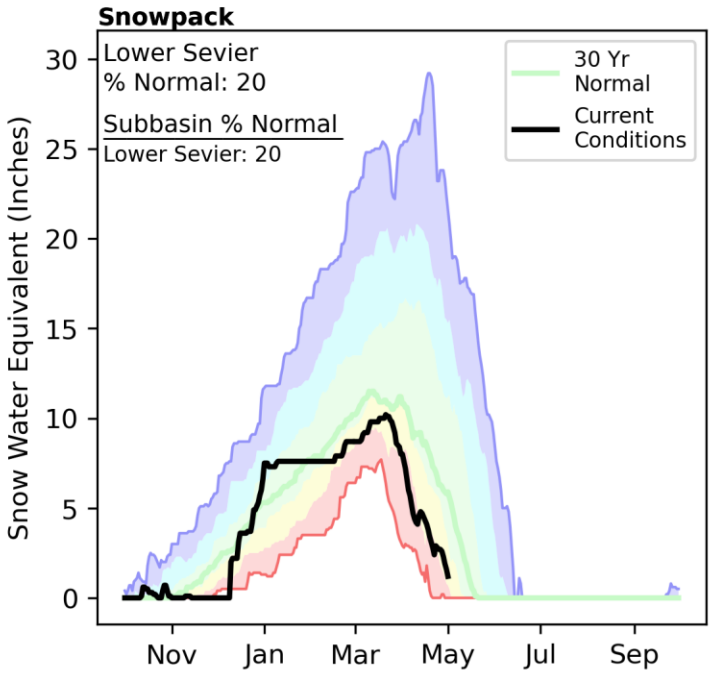
Observed Streamflow KAF

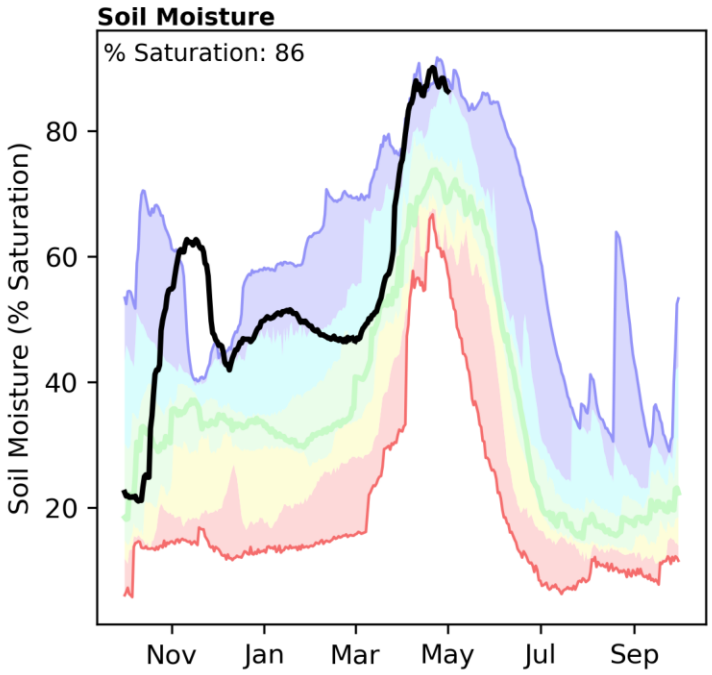
Period of Record Maximum Streamflow KAF (Year)

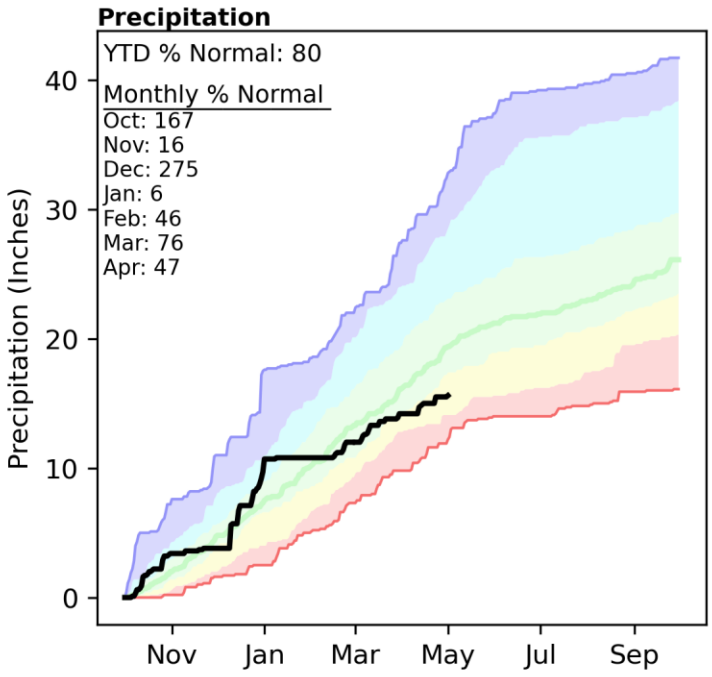
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

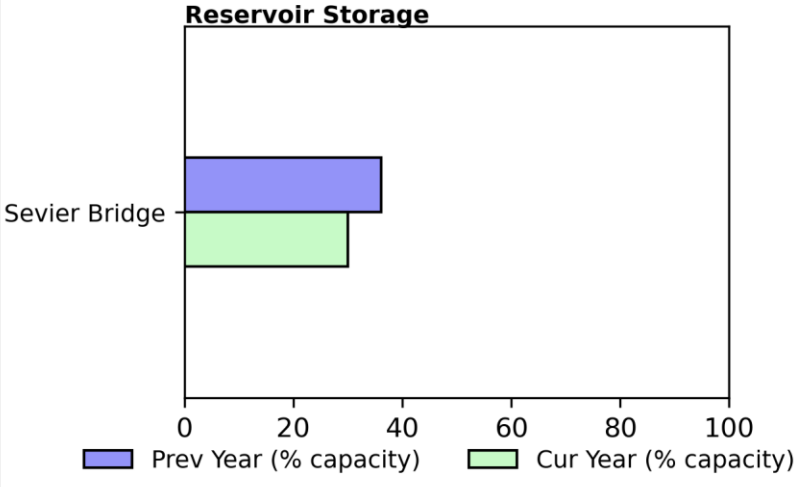
Lower Sevier | May 1, 2022

Snowpack in the Lower Sevier River Basin is well below normal at 20% of median, compared to 34% at this time last year. Precipitation in April was well below normal at 47%, which brings the seasonal accumulation (October-April) to 80% of median. Soil moisture is at 86% saturation compared to 88% saturation last year. Reservoir storage is 30% of capacity, compared to 36% last year. Forecast streamflow volume (50% exceedence, May-July) for the Sevier River near Gunnison is 57% of normal. The Surface Water Supply Index percentile is 2% for the Lower Sevier.



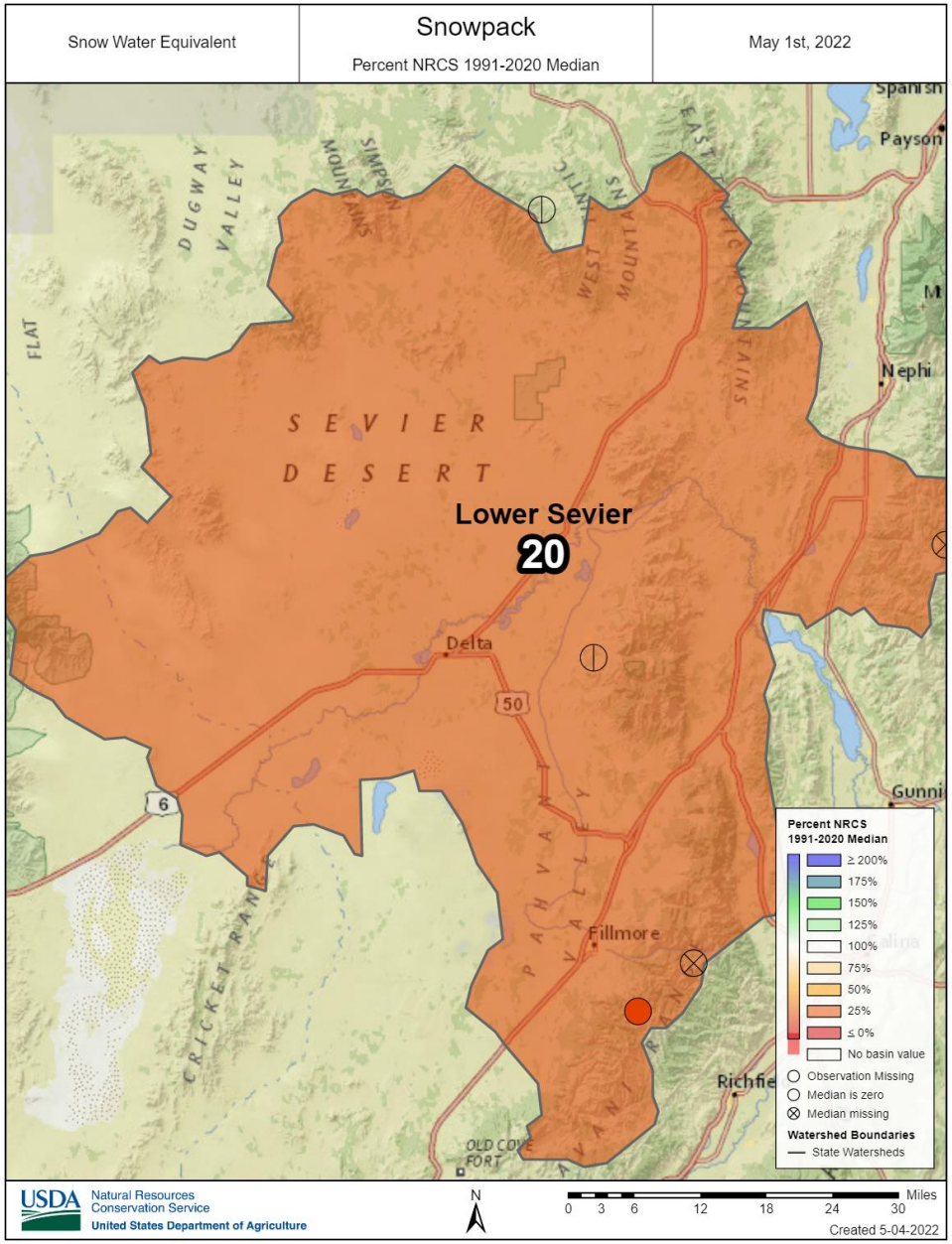


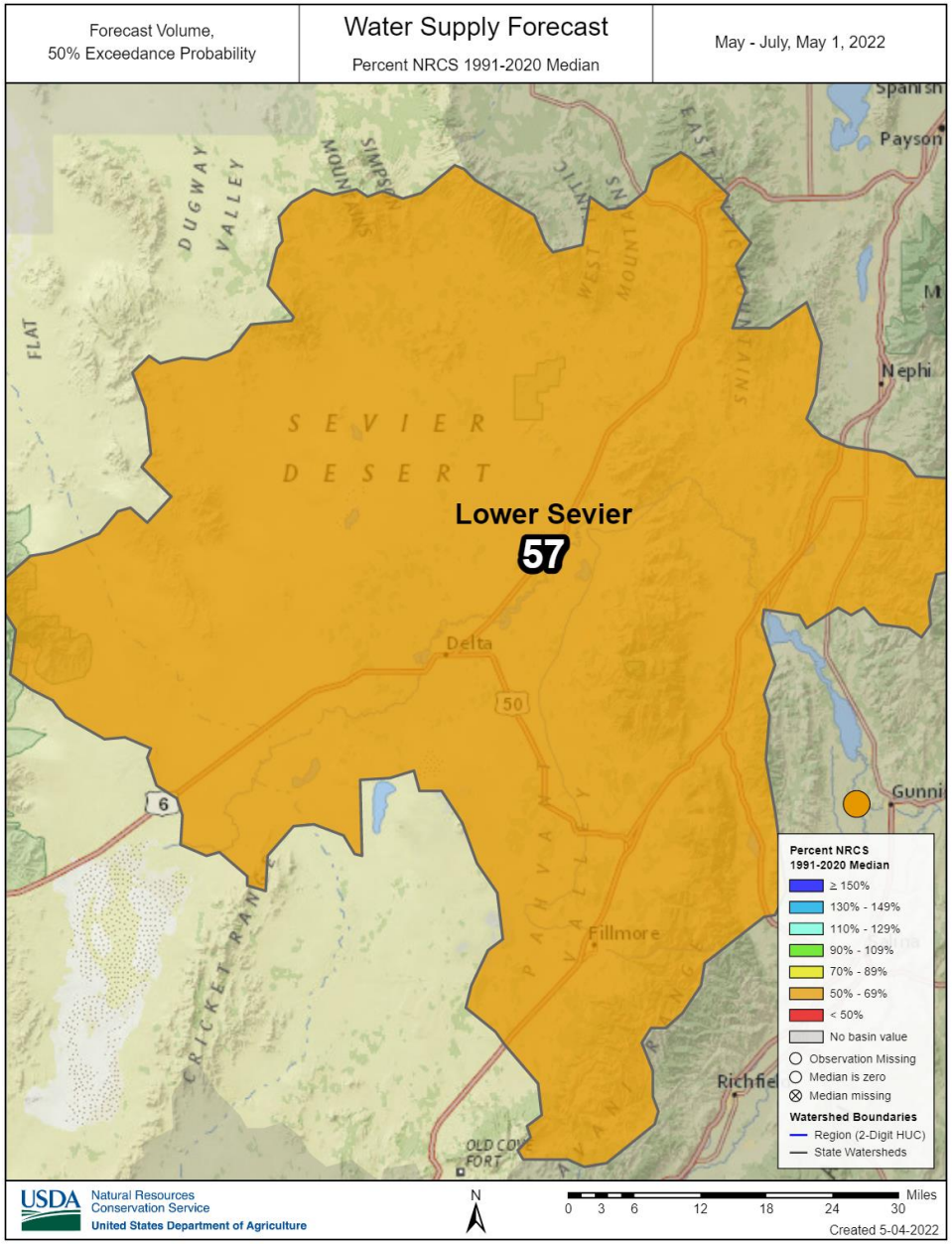




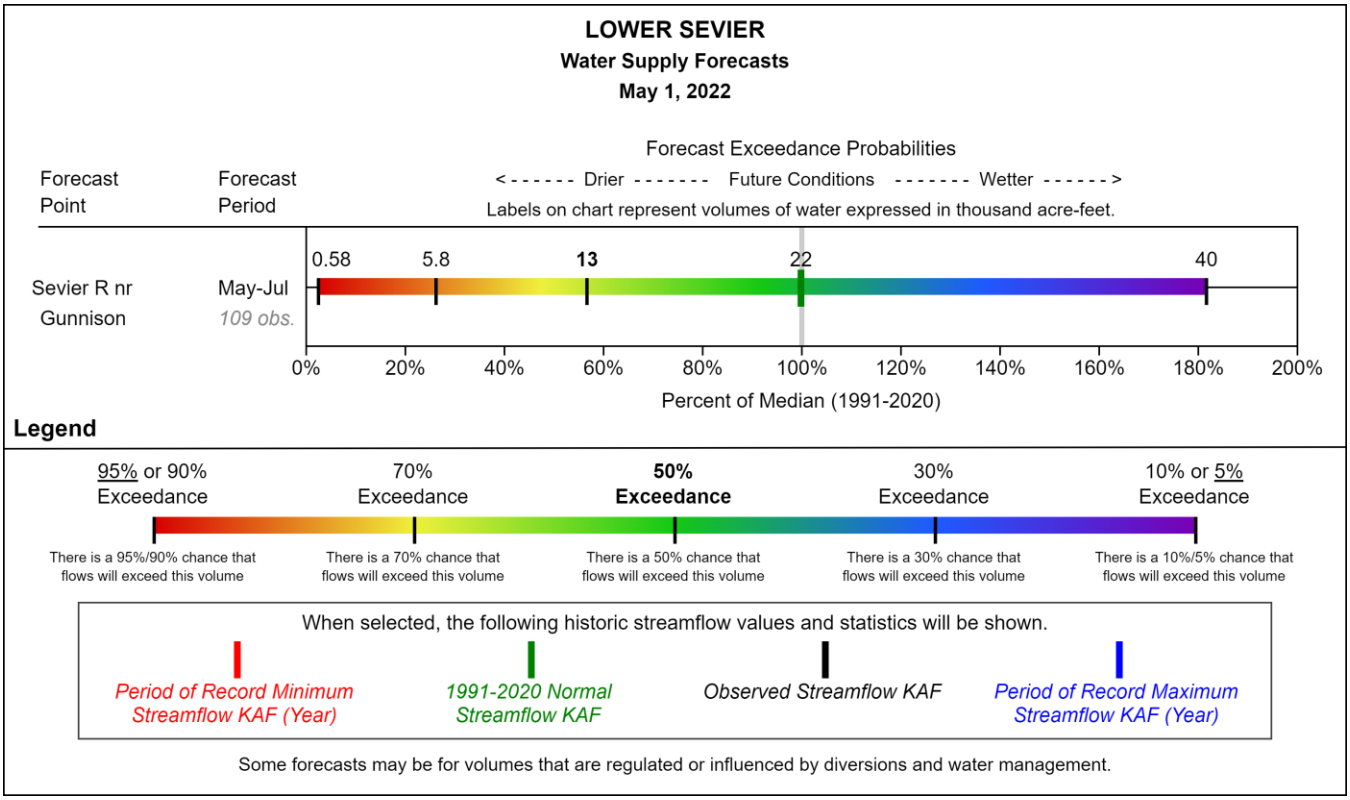
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Lower Sevier



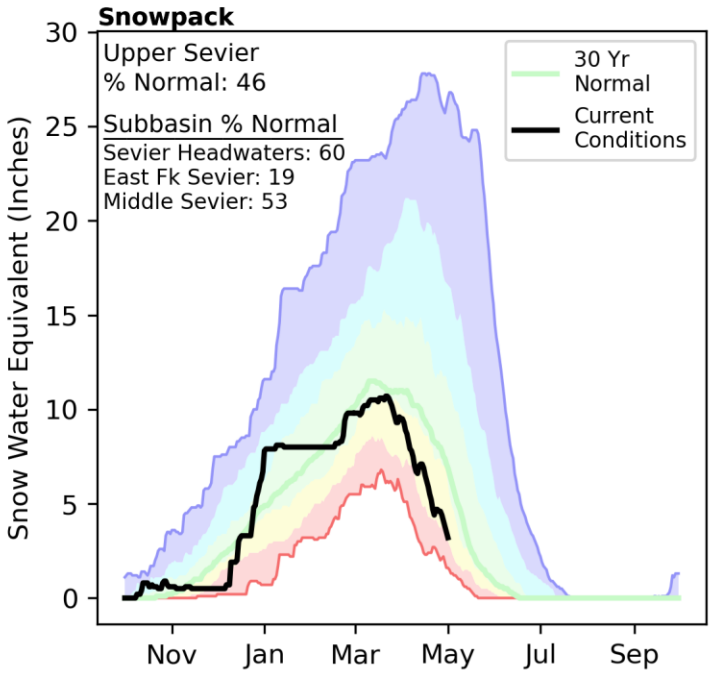


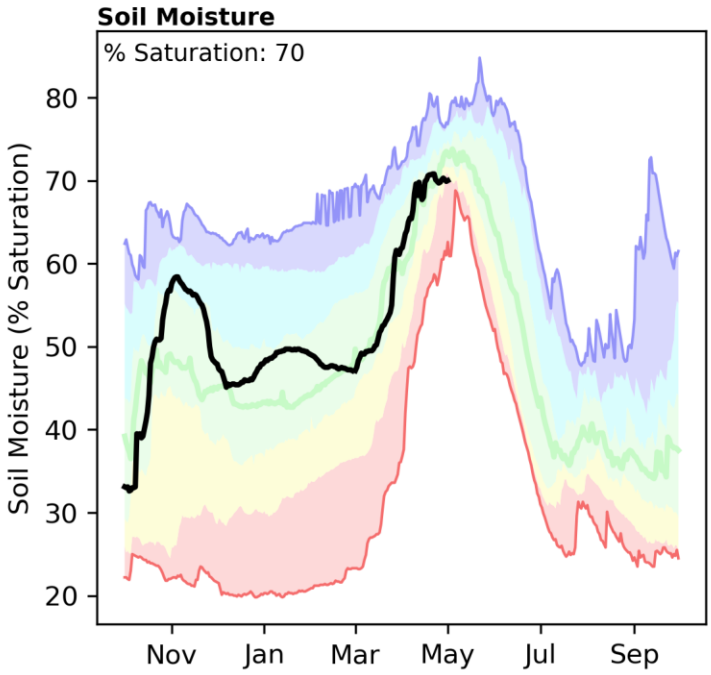
Lower Sevier

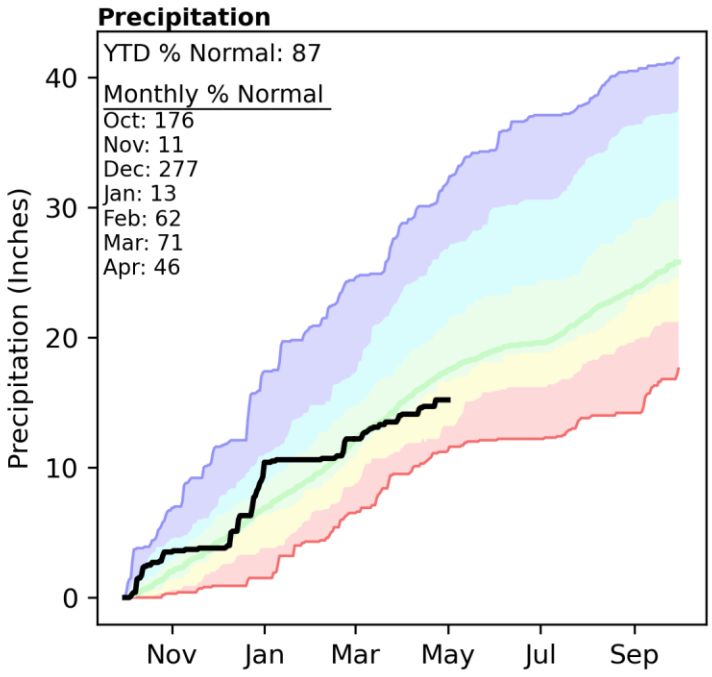


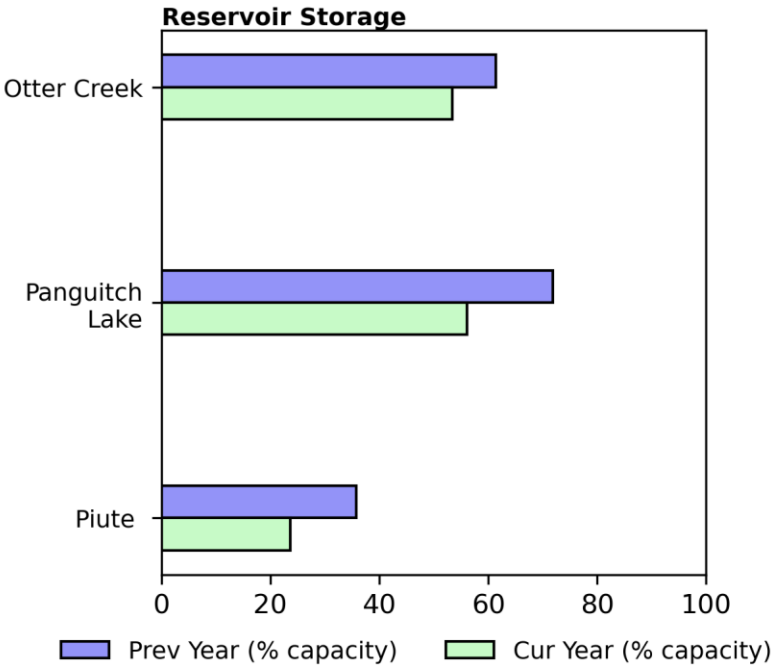
Upper Sevier | May 1, 2022

Snowpack in the Upper Sevier River Basin is well below normal at 46% of median, compared to 48% at this time last year. Precipitation in April was well below normal at 46%, which brings the seasonal accumulation (October-April) to 87% of median. Soil moisture is at 70% saturation compared to 72% saturation last year. Reservoir storage is 39% of capacity, compared to 50% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 39% to 70% of normal. The Surface Water Supply Index percentile is 2% for the Upper Sevier.



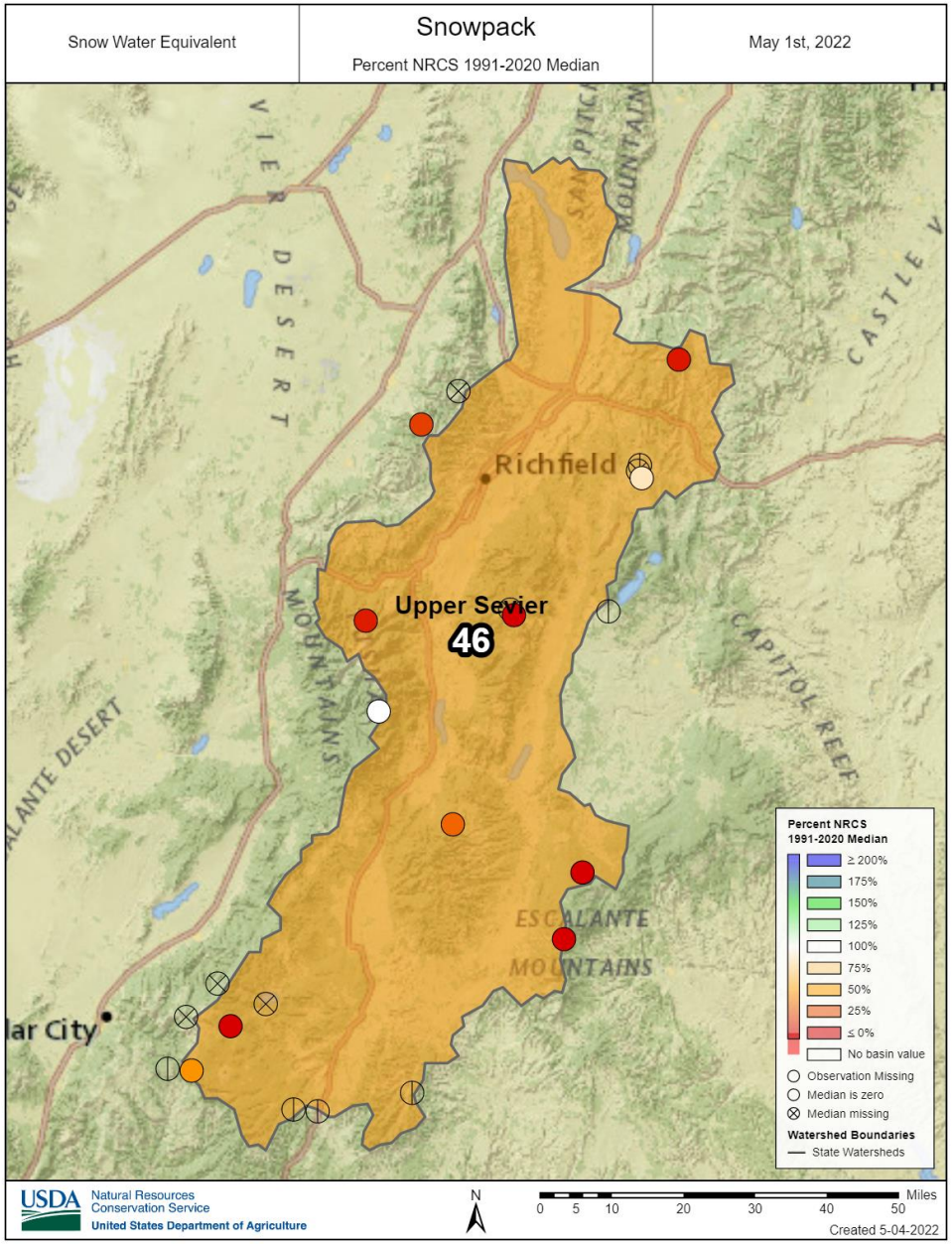


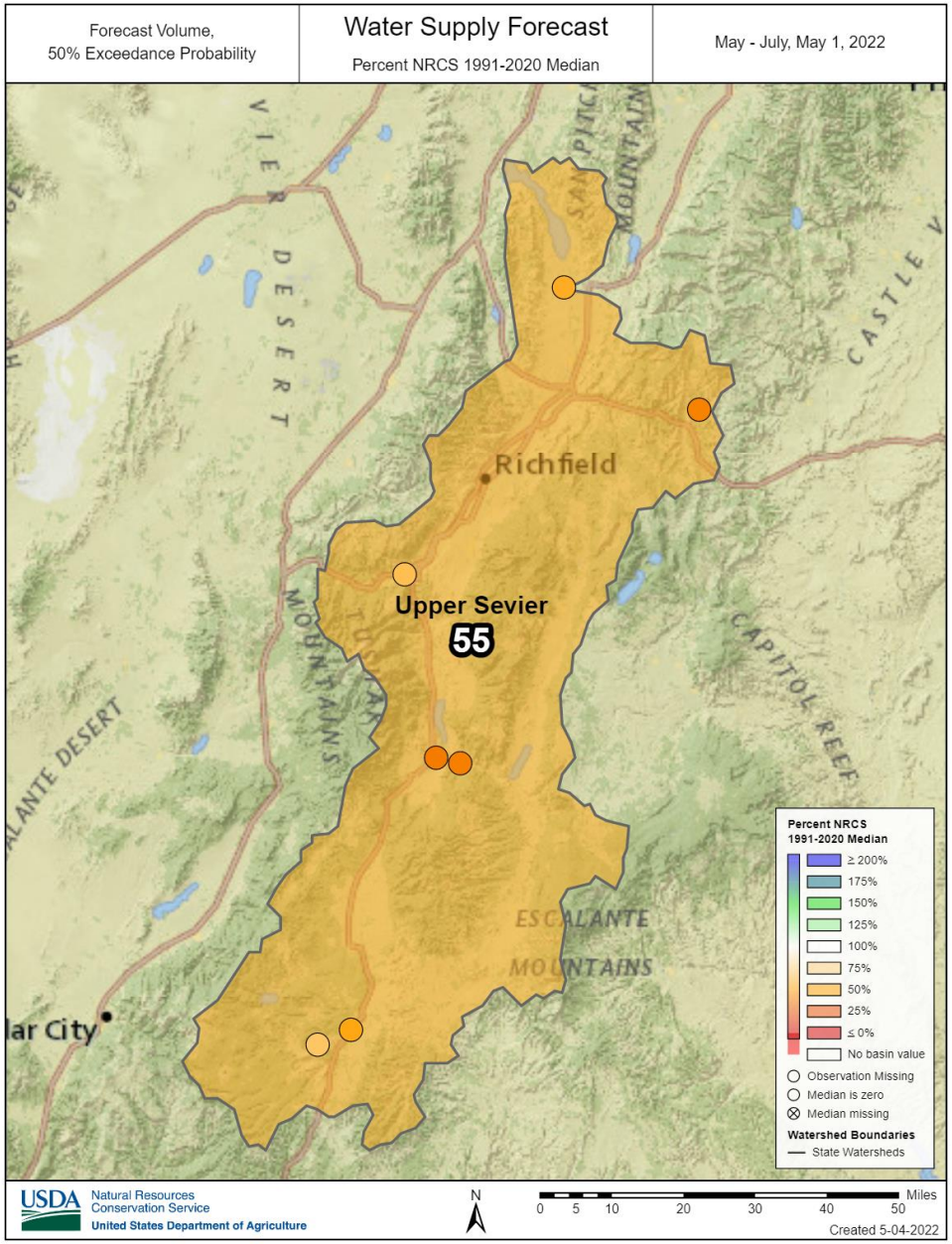




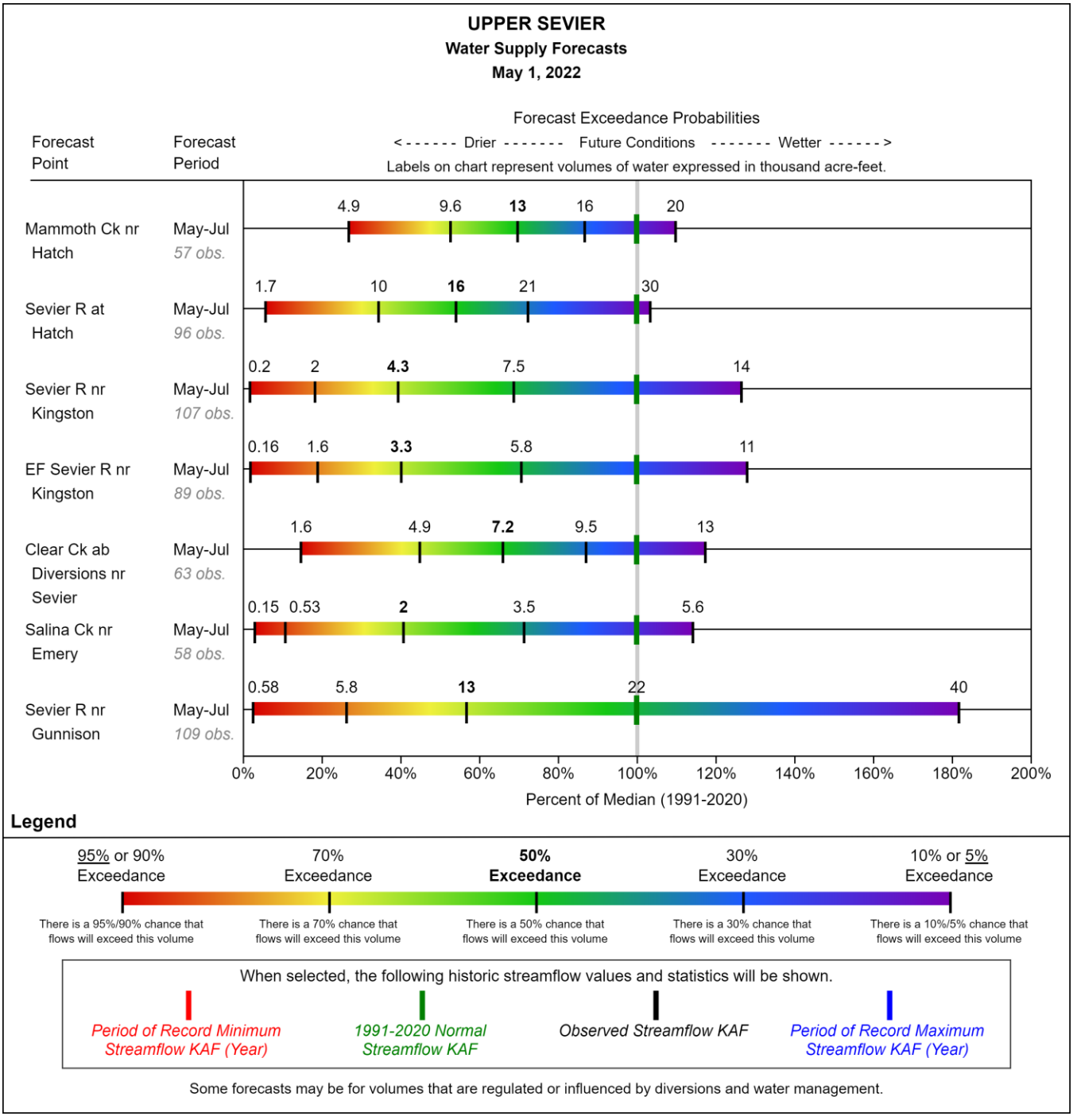
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Upper Sevier





Upper Sevier



Legend

When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year)

1991-2020 Normal Streamflow KAF

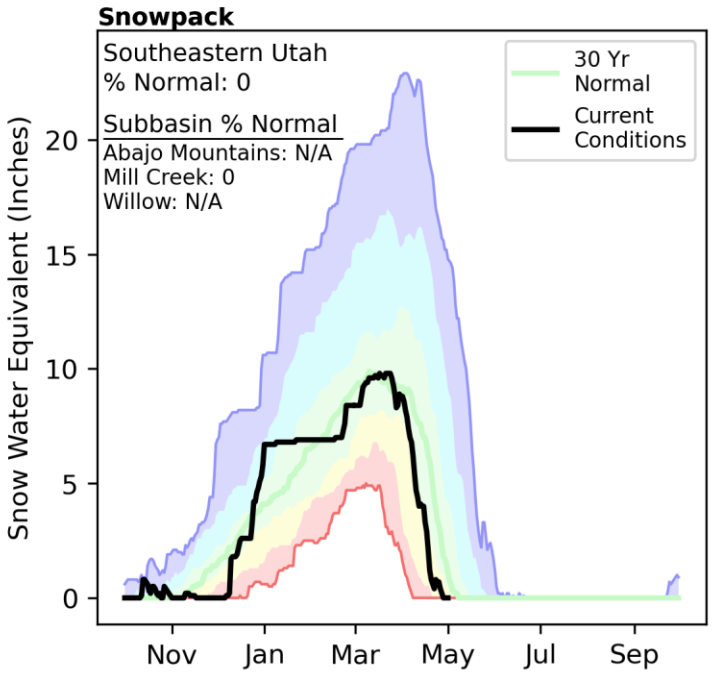
Observed Streamflow KAF

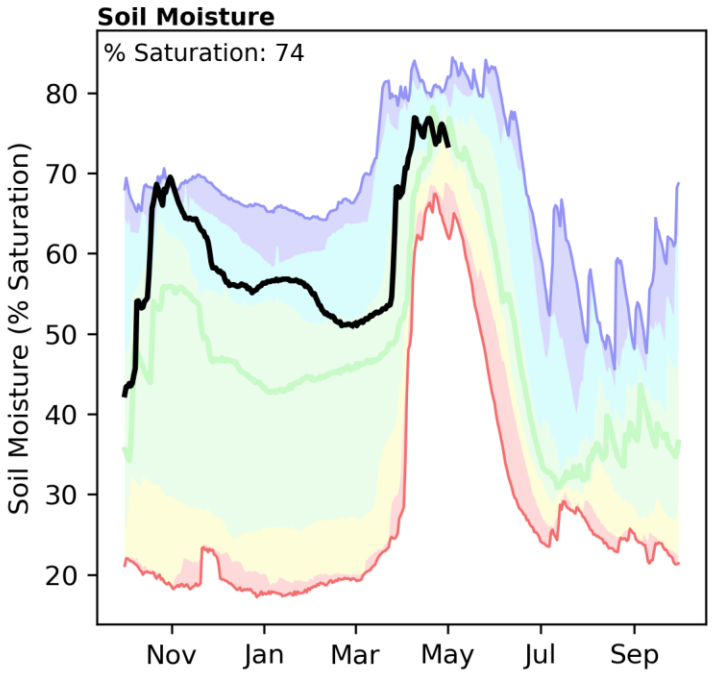
Period of Record Maximum Streamflow KAF (Year)

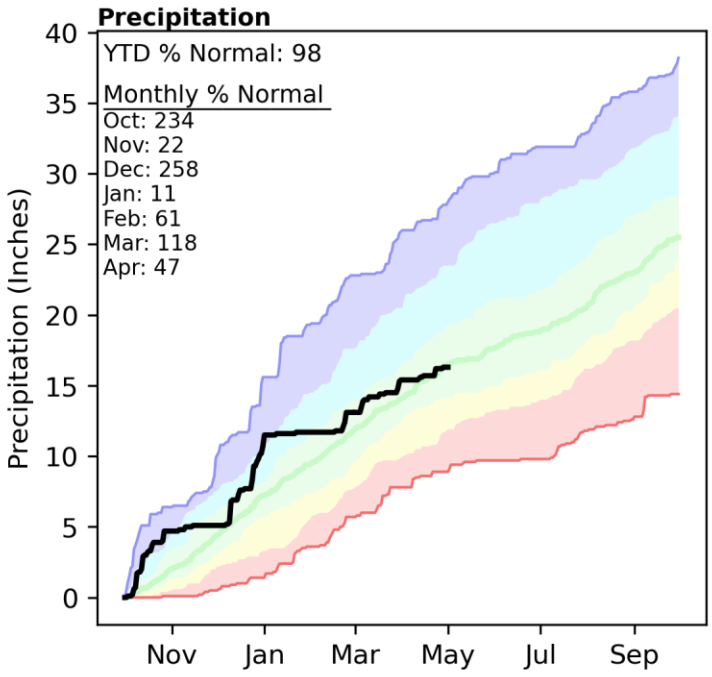
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

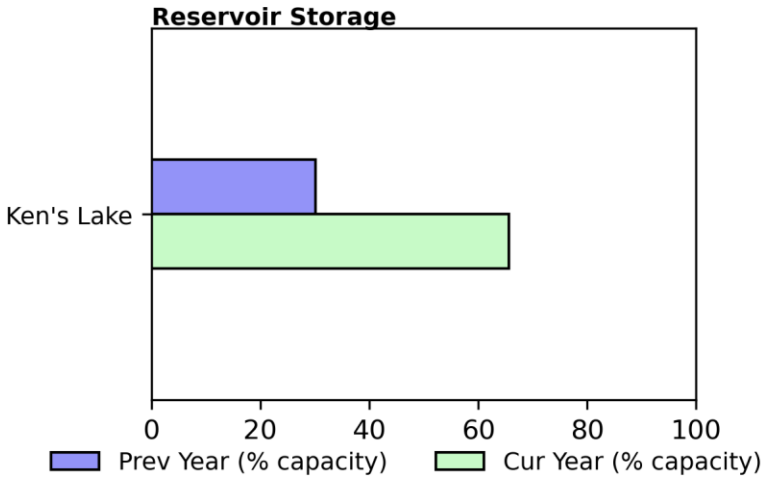
Southeastern Utah | May 1, 2022

Snowpack in Southeastern Utah is well below normal at 0% of median, compared to 0% at this time last year. Precipitation in April was well below normal at 47%, which brings the seasonal accumulation (October-April) to 98% of median. Soil moisture is at 74% saturation compared to 70% saturation last year. Reservoir storage is 65% of capacity, compared to 30% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 35% to 82% of normal. The Surface Water Supply Index percentile is 42% for Moab.



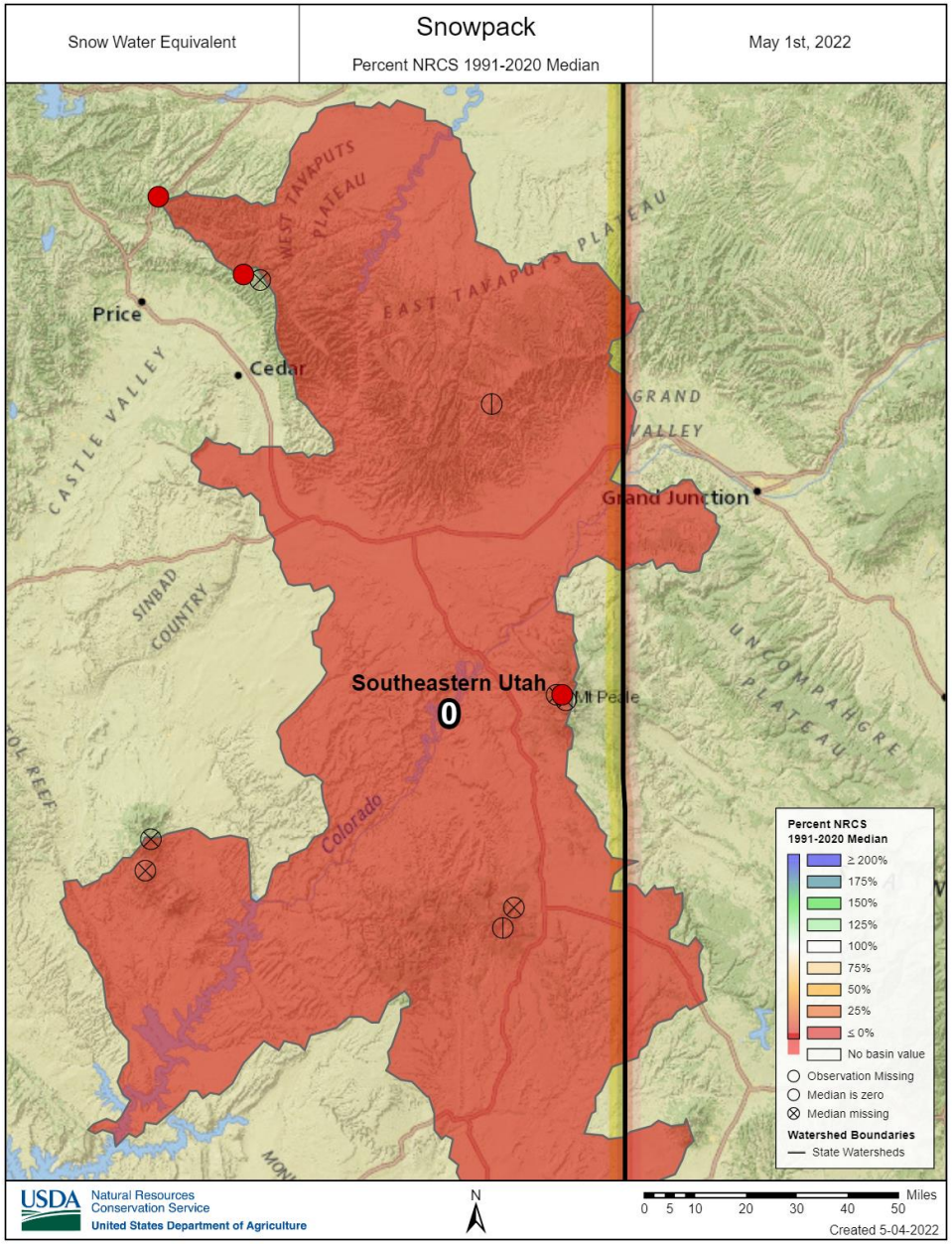


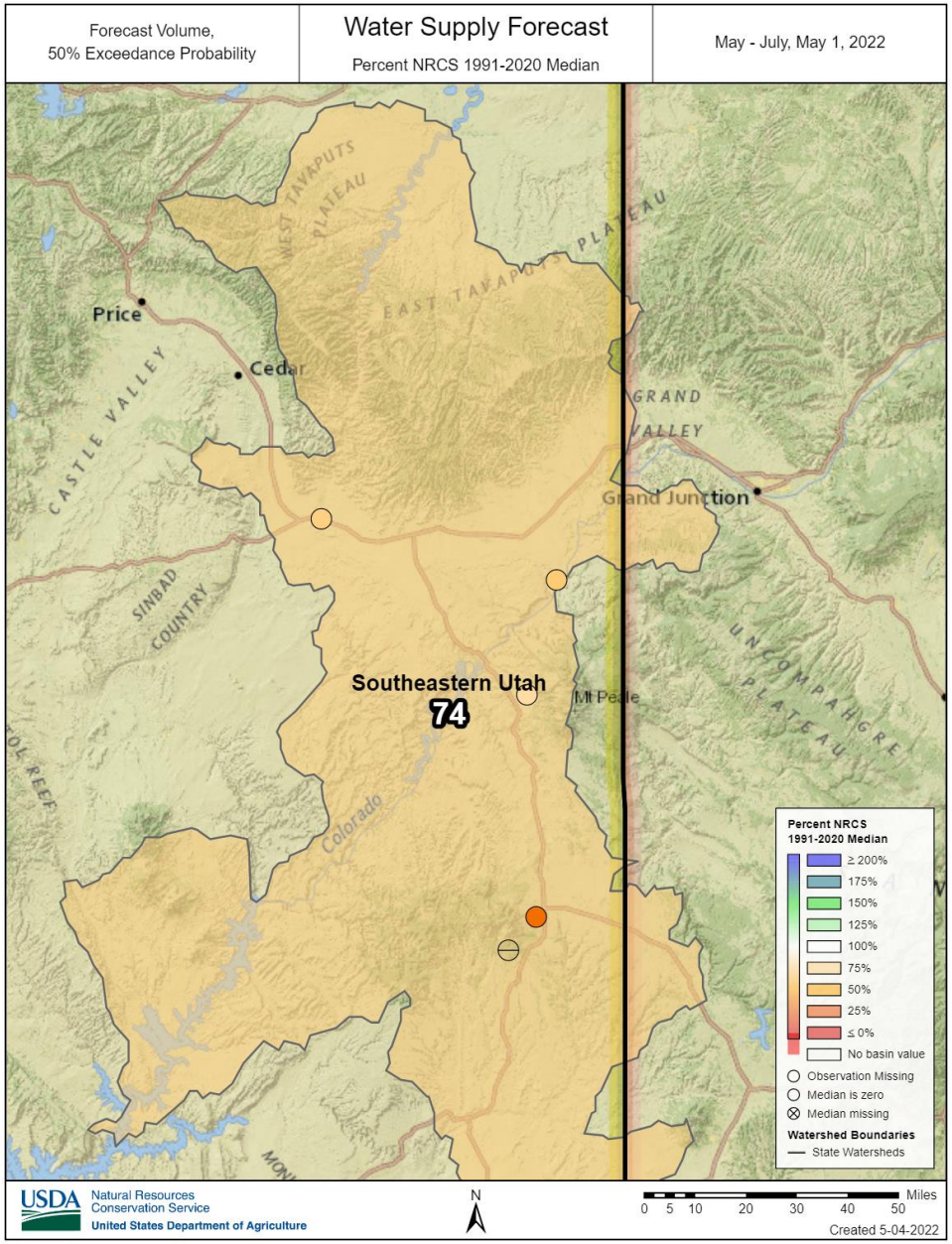




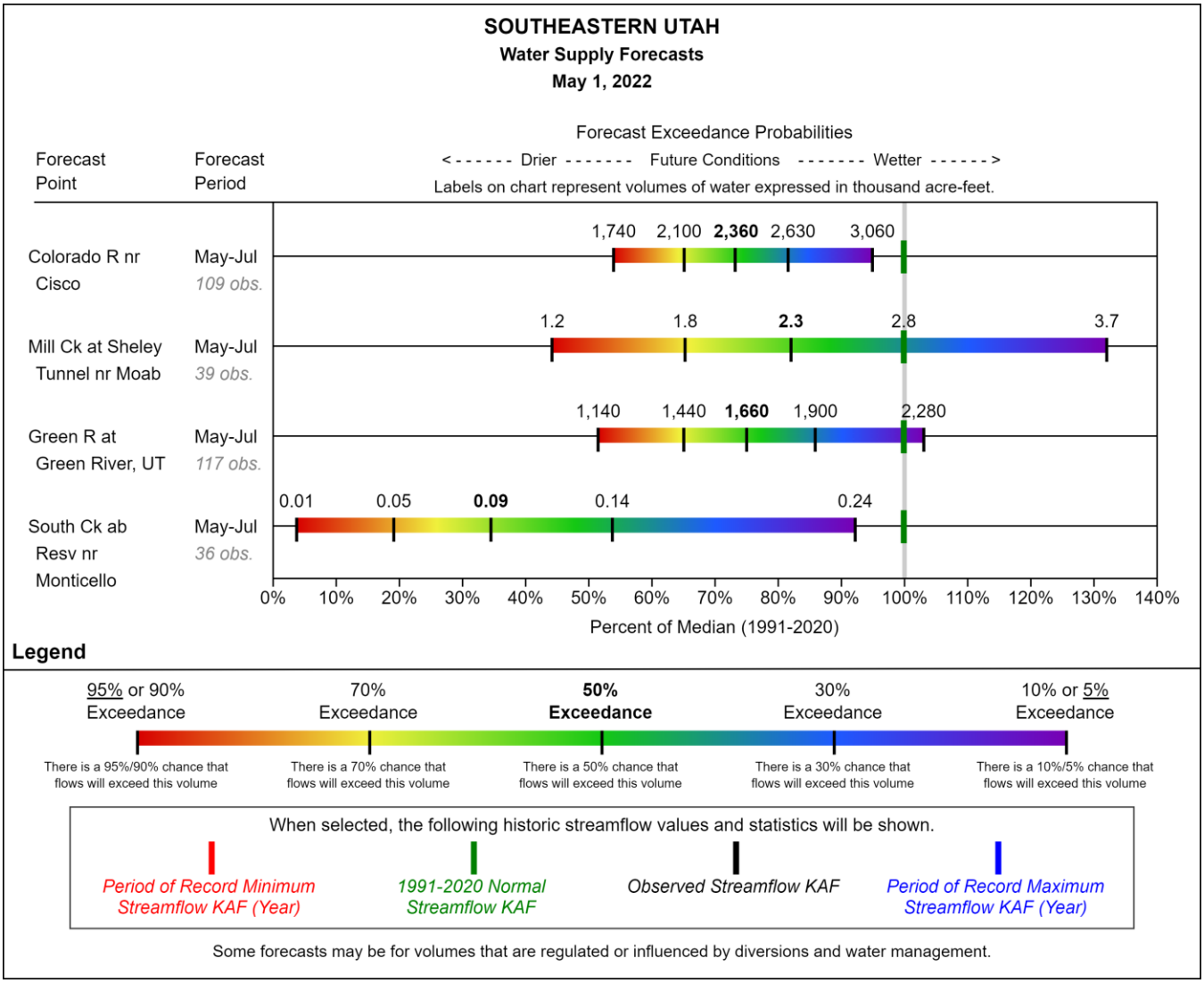
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Southeastern Utah





Southeastern Utah



Legend

When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year)

1991-2020 Normal Streamflow KAF

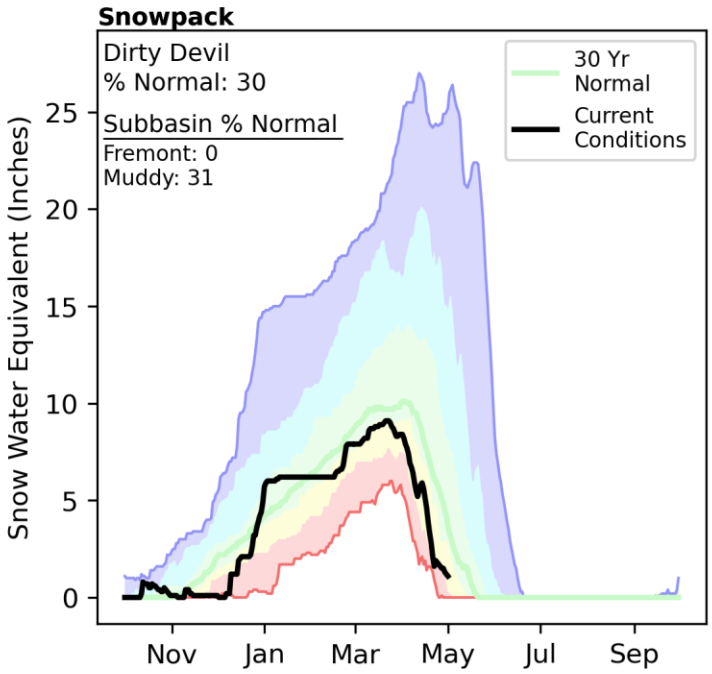
Observed Streamflow KAF

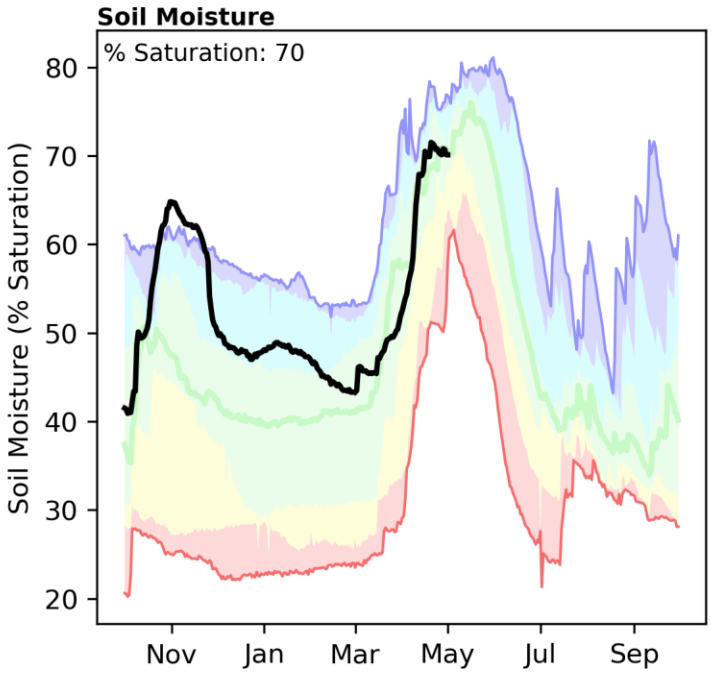
Period of Record Maximum Streamflow KAF (Year)

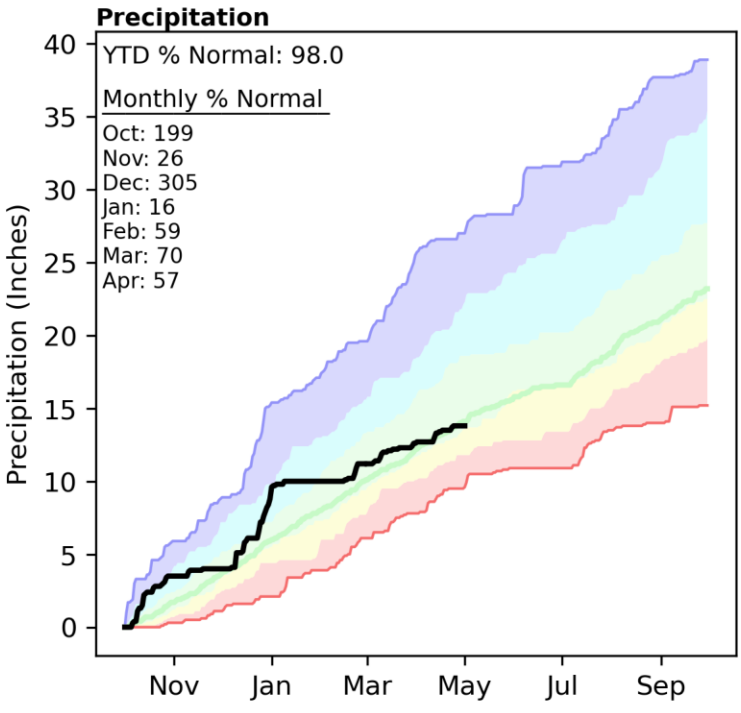
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

Dirty Devil | May 1, 2022

Snowpack in the Dirty Devil River Basin is well below normal at 30% of median, compared to 30% at this time last year. Precipitation in April was well below normal at 57%, which brings the seasonal accumulation (October-April) to 98% of median. Soil moisture is at 70% saturation compared to 58% saturation last year. Forecast streamflow volumes (50% exceedence, May-July) range from 60% to 76% of normal.

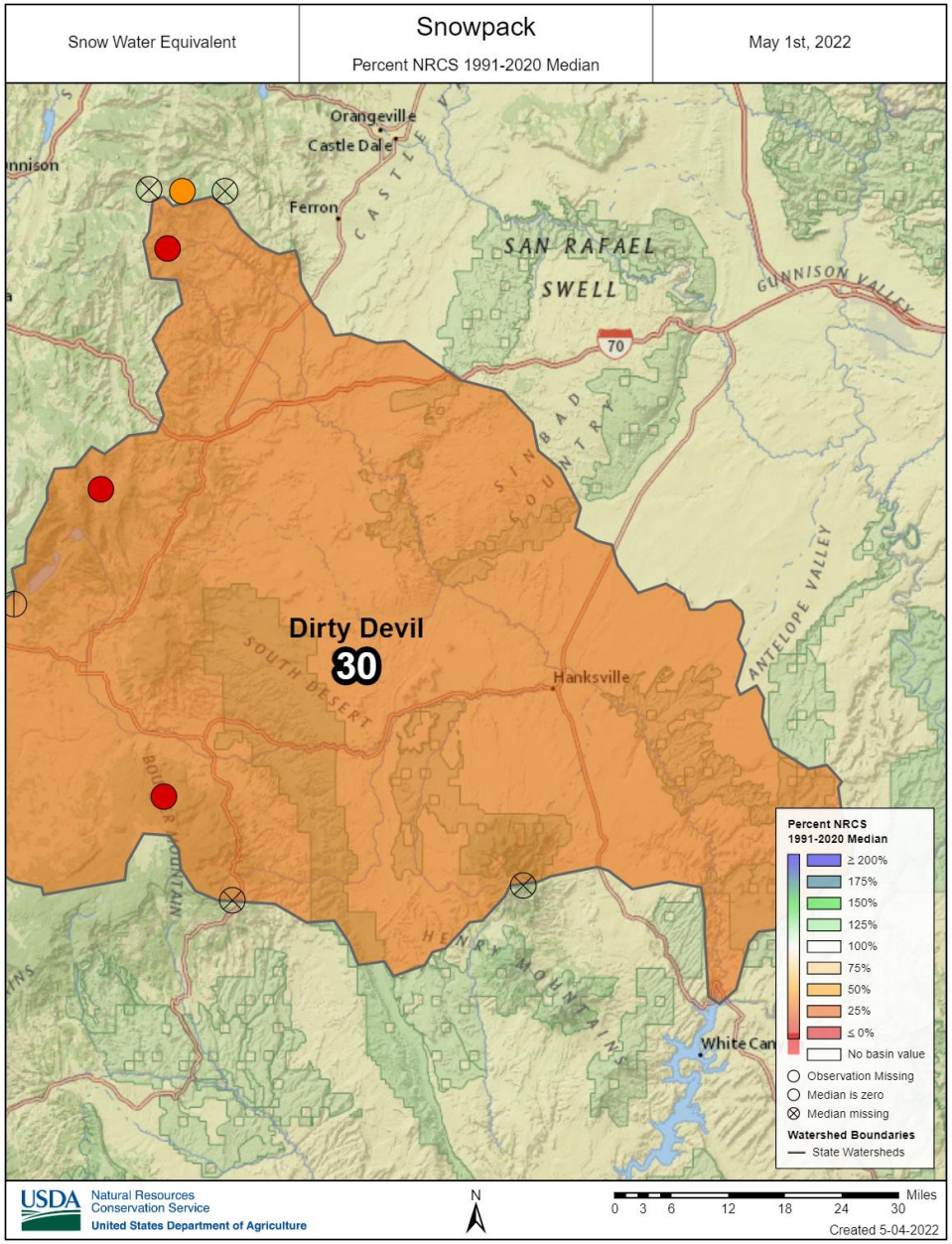


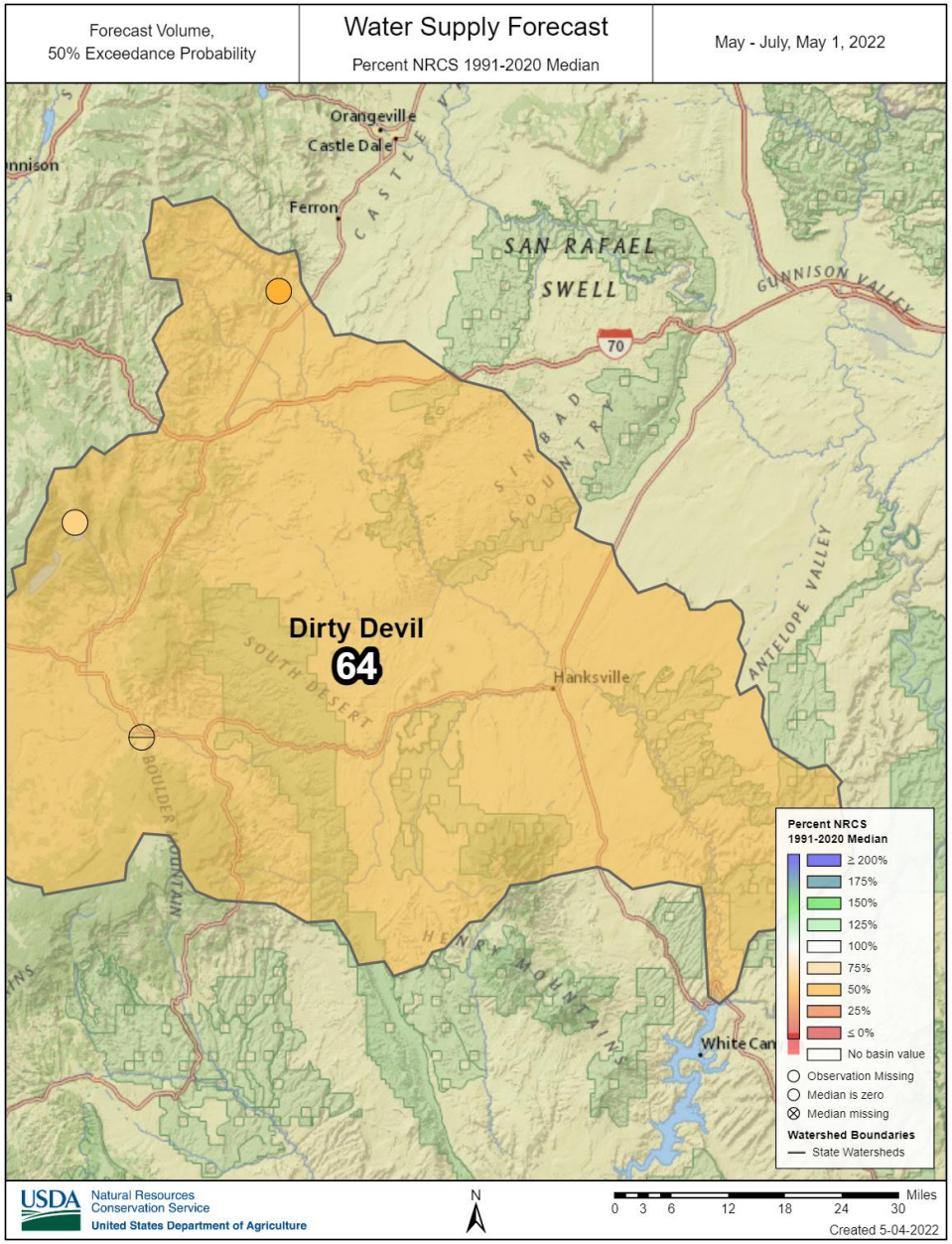




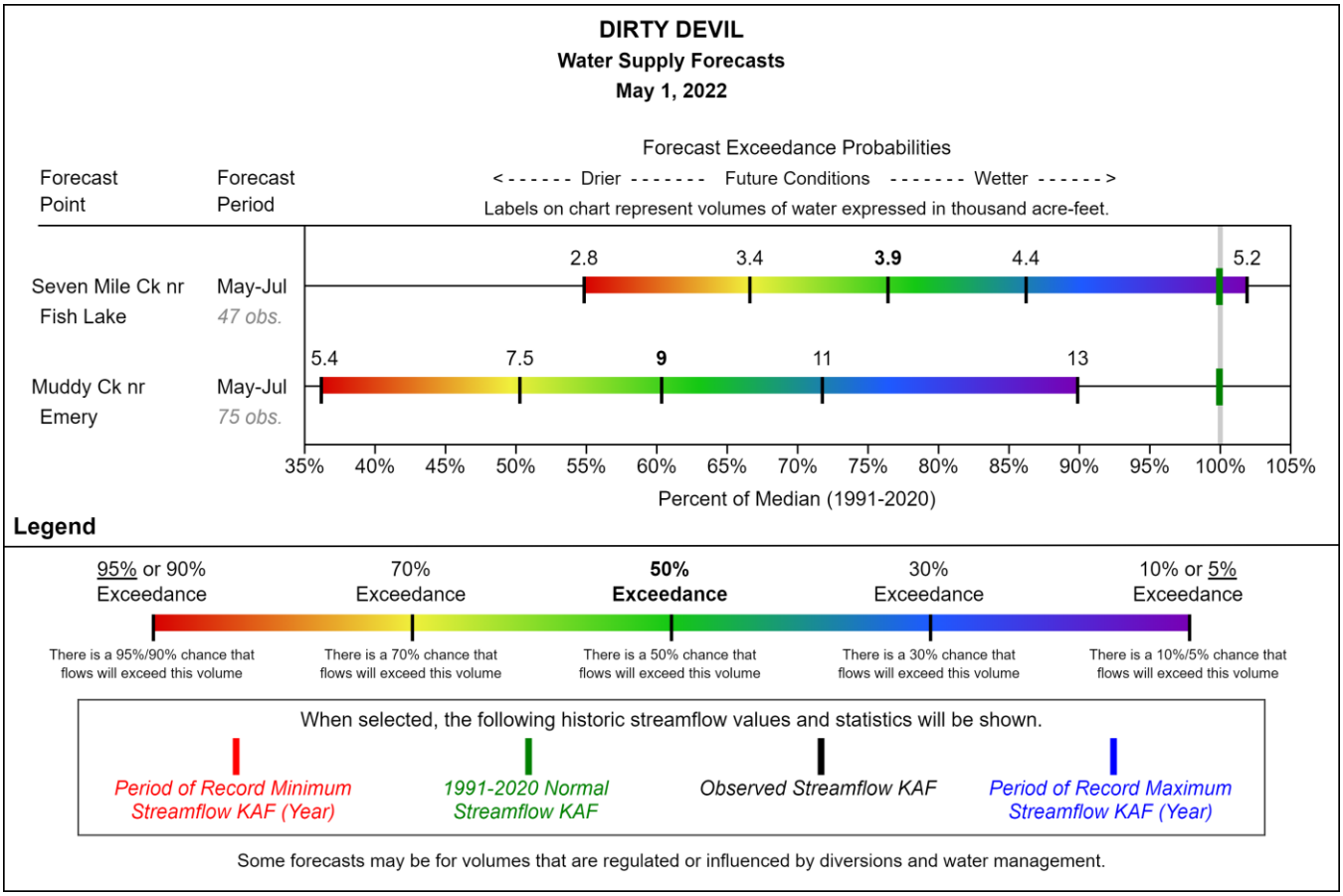
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Dirty Devil


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
May 1st, 2022
Orangeville
Castle Dale
Ferron
SAN RAFAEL SWELL
GUNNISON VALLEY
70
SINBAD COUNTRY
ANTELOPE VALLEY
Dirty Devil
30
SOUTH DESERT
Hanksville
HENRY MOUNTAINS
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 3 6 12 18 24 30 Miles
Created 5-04-2022

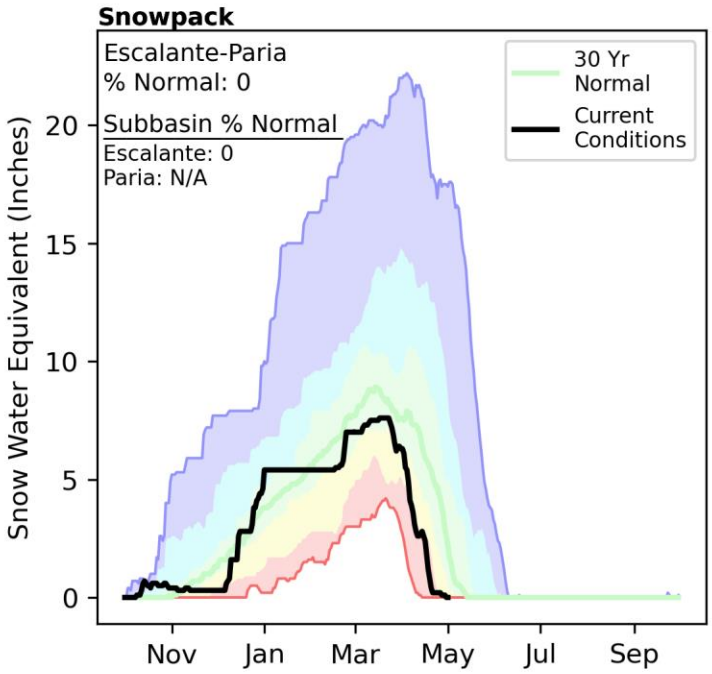

Forecast Volume,
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
May - July, May 1, 2022
Orangeville
Castle Dale
Ferron
SAN RAFAEL SWELL
GUNNISON VALLEY
70
SINBAD COUNTRY
ANTELOPE VALLEY
Dirty Devil
64
SOUTH DESERT
Hanksville
HENRY MOUNTAINS
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 3 6 12 18 24 30 Miles
Created 5-04-2022

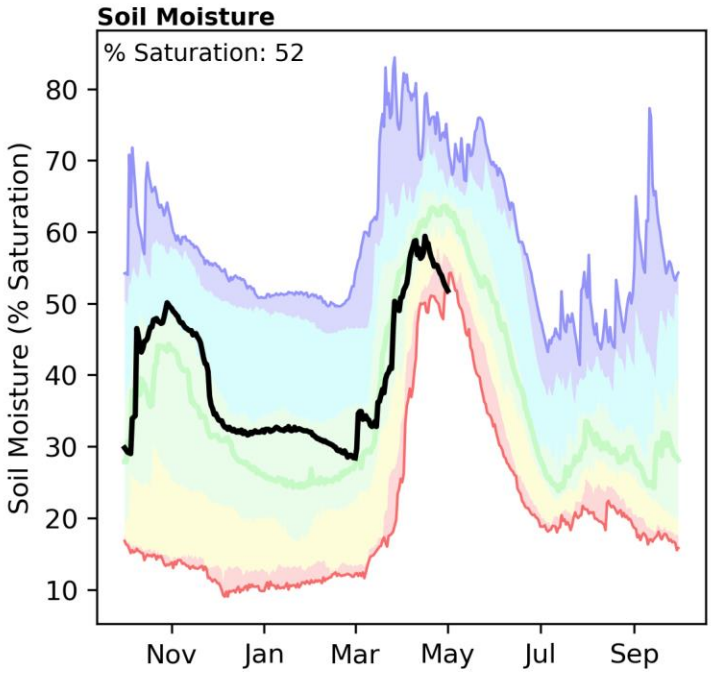
Dirty Devil

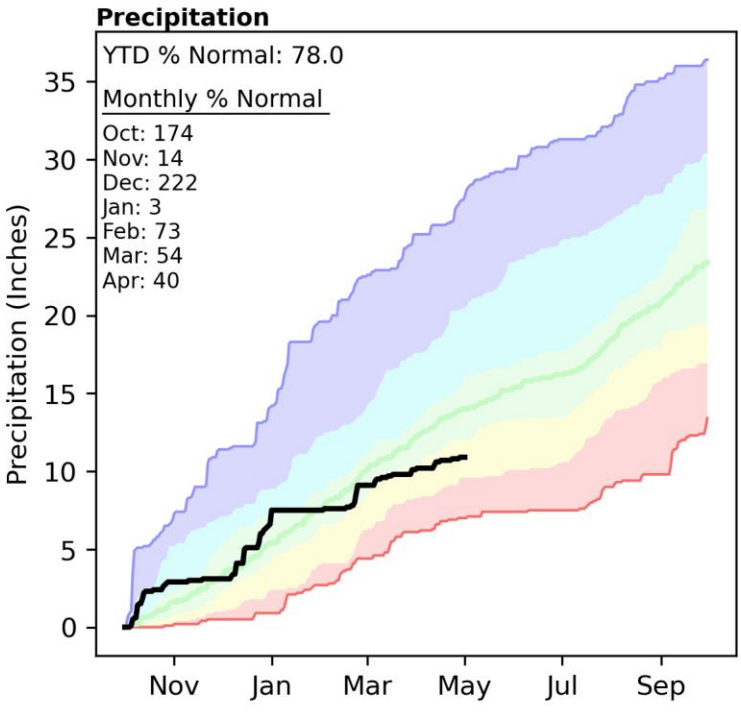

DIRTY DEVIL
Water Supply Forecasts
May 1, 2022
Forecast Exceedance Probabilities
Forecast Point
Forecast Period
<------- Drier -------- Future Conditions -------- Wetter ------->
Labels on chart represent volumes of water expressed in thousand acre-feet.
Seven Mile Ck nr Fish Lake
May-Jul
47 obs.
2.8
3.4
3.9
4.4
5.2
Muddy Ck nr Emery
May-Jul
75 obs.
5.4
7.5
9
11
13
35% 40% 45% 50% 55% 60% 65% 70% 75% 80% 85% 90% 95% 100% 105%
Percent of Median (1991-2020)
Legend
95% or 90% Exceedance
There is a 95%/90% chance that flows will exceed this volume
70% Exceedance
There is a 70% chance that flows will exceed this volume
50% Exceedance
There is a 50% chance that flows will exceed this volume
30% Exceedance
There is a 30% chance that flows will exceed this volume
10% or 5% Exceedance
There is a 10%/5% chance that flows will exceed this volume
When selected, the following historic streamflow values and statistics will be shown.
Period of Record Minimum Streamflow KAF (Year)
1991-2020 Normal Streamflow KAF
Observed Streamflow KAF
Period of Record Maximum Streamflow KAF (Year)
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

Escalante-Paria | May 1, 2022

Snowpack in the Escalante and Paria River Basins is well below normal at 0% of median, compared to 0% at this time last year. Precipitation in April was well below normal at 40%, which brings the seasonal accumulation (October-April) to 78% of median. Soil moisture is at 52% saturation compared to 51% saturation last year. The forecast streamflow volume (50% exceedence, May-July) for Pine Creek is 64% of normal.

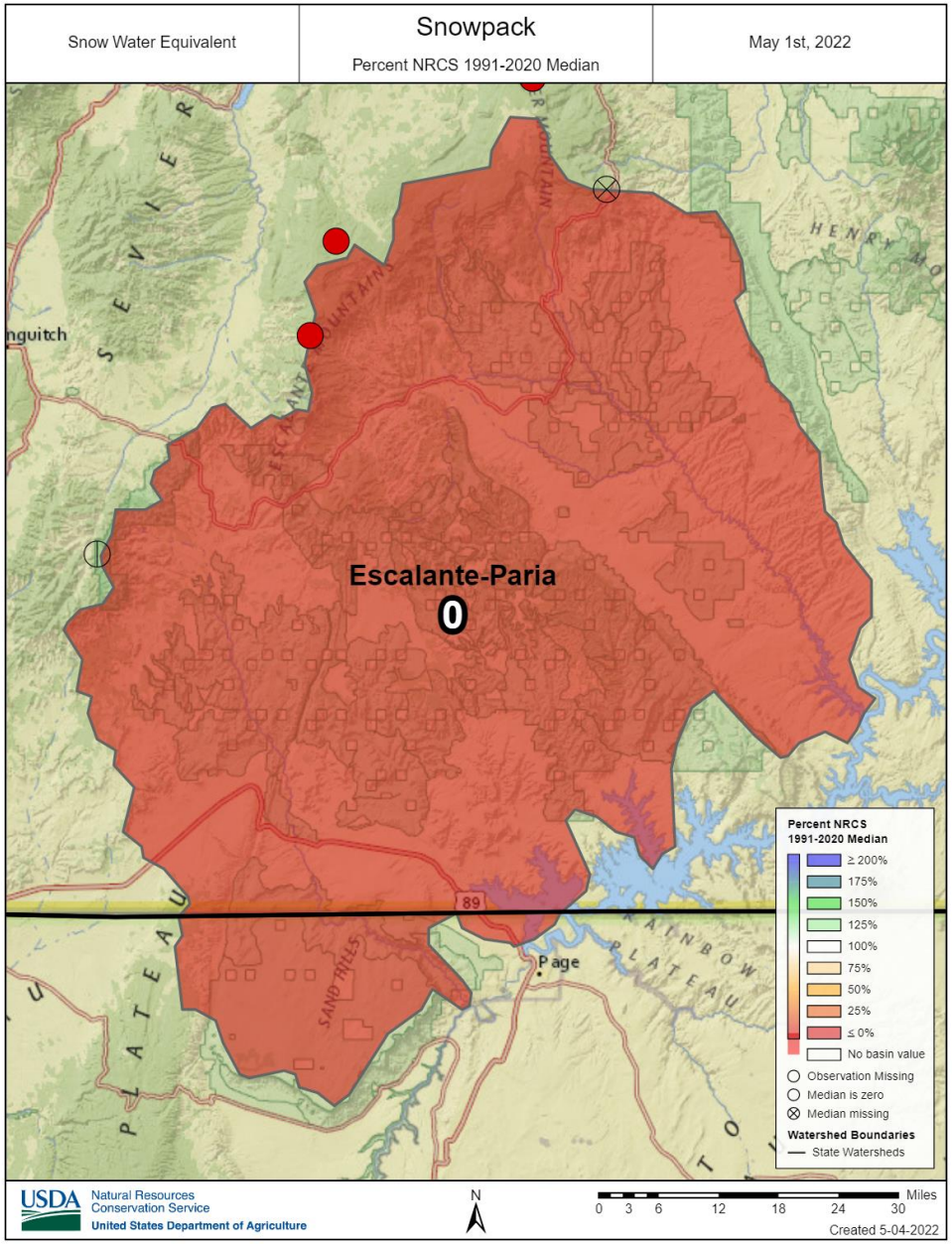


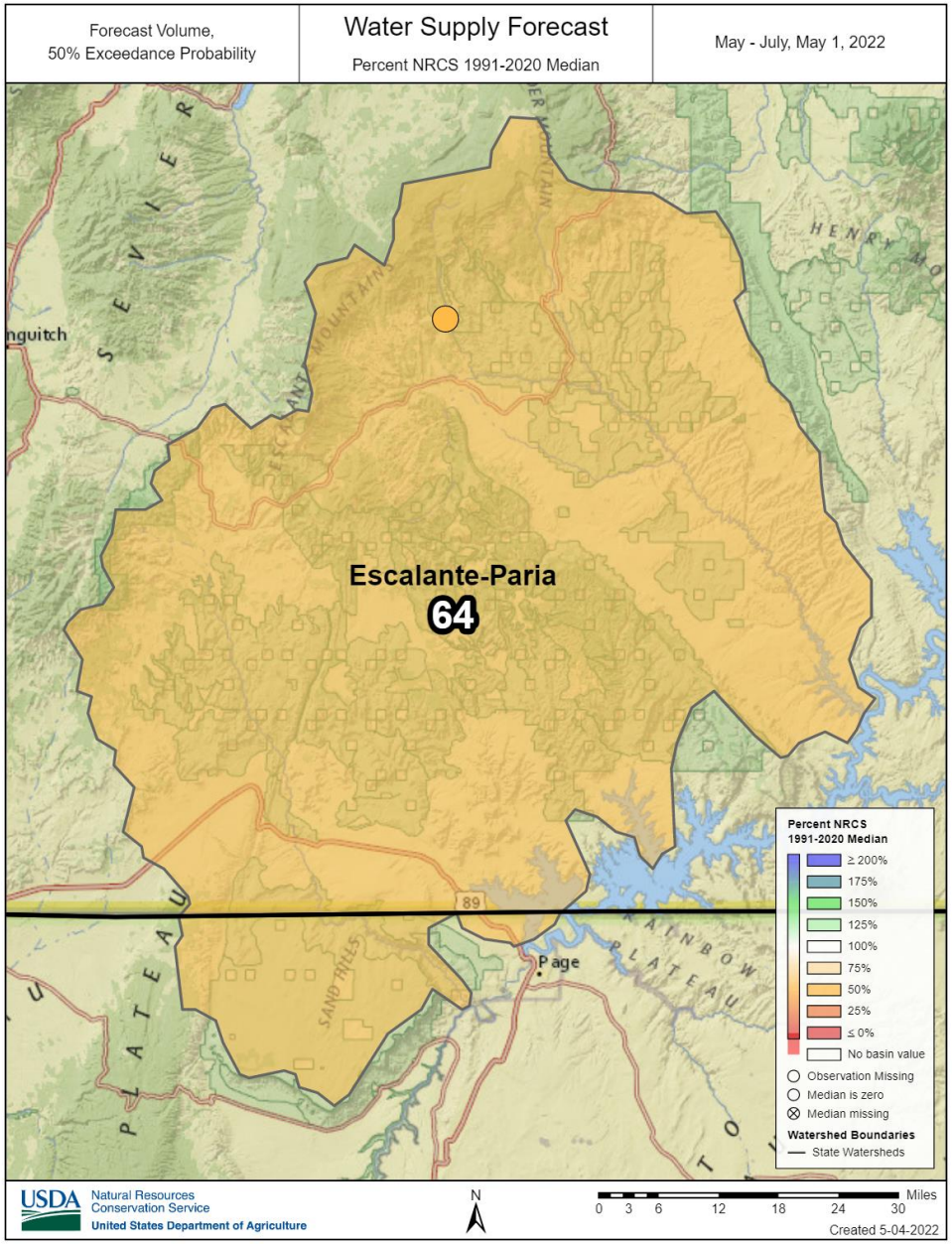




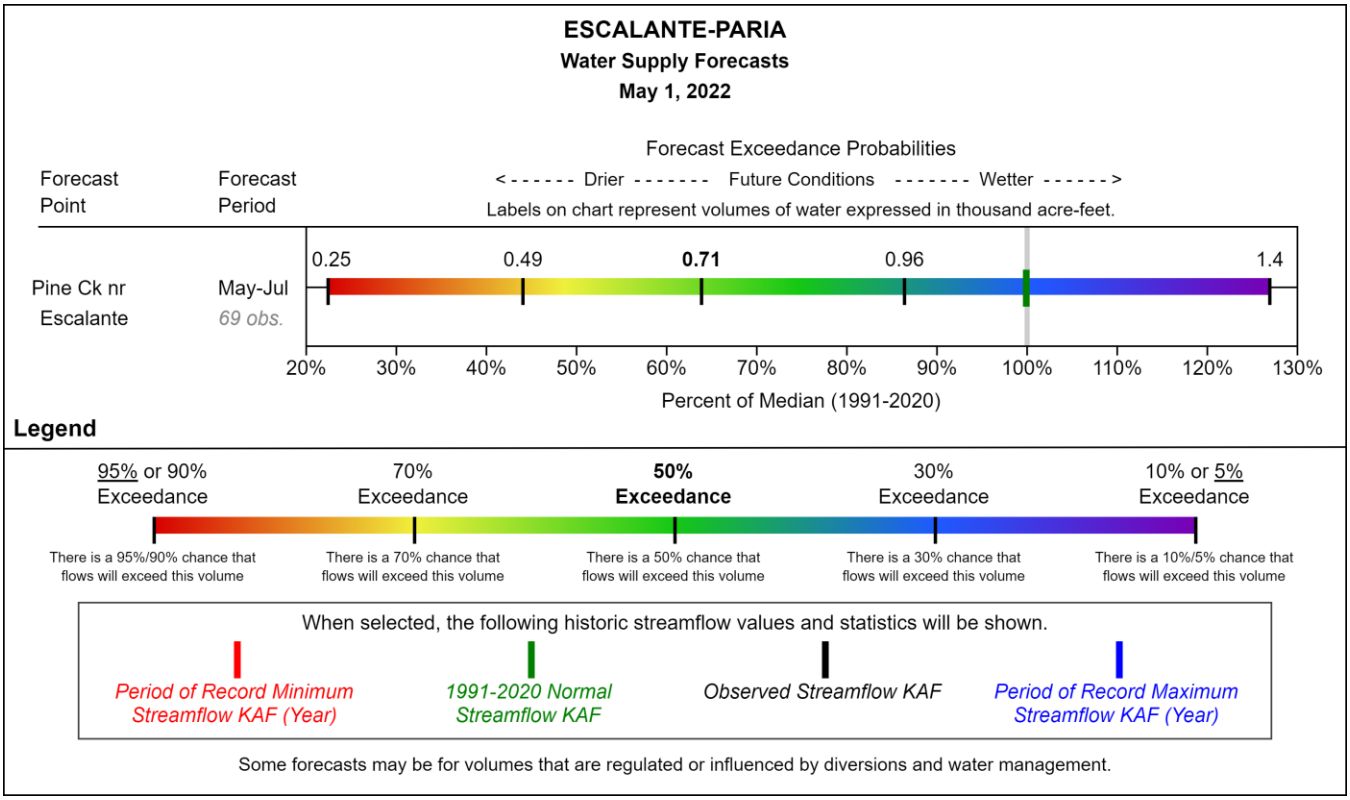
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Escalante-Paria



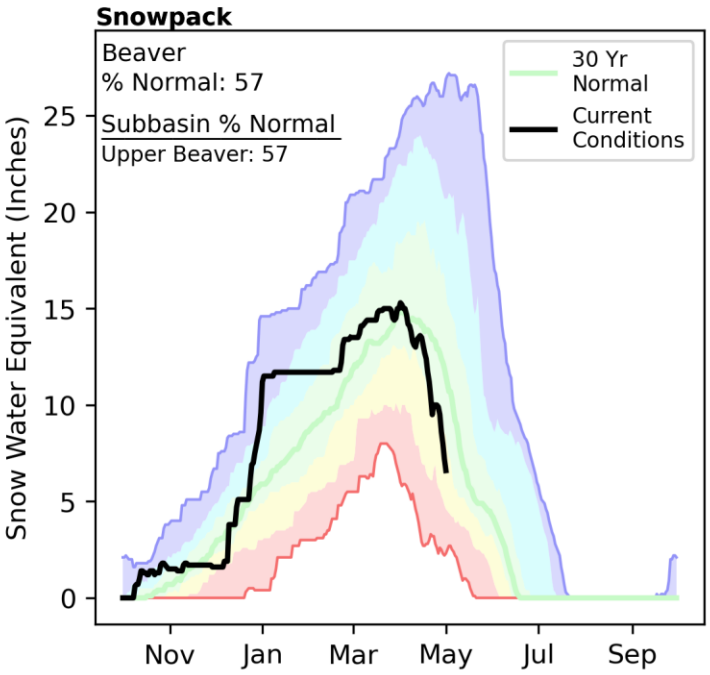


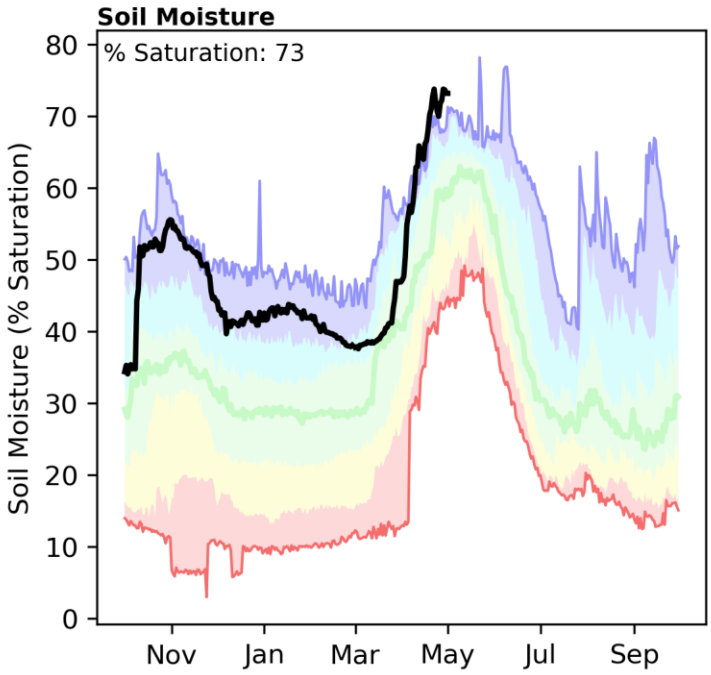
Escalante-Paria

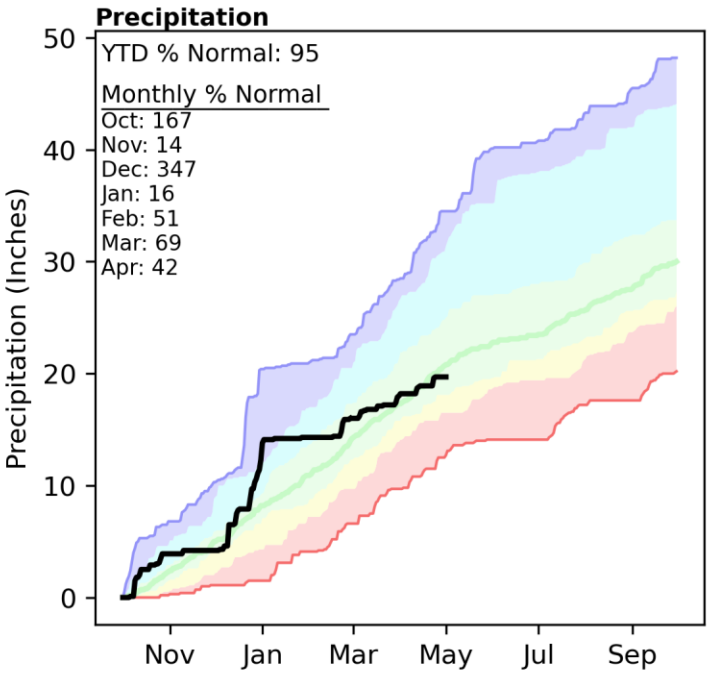


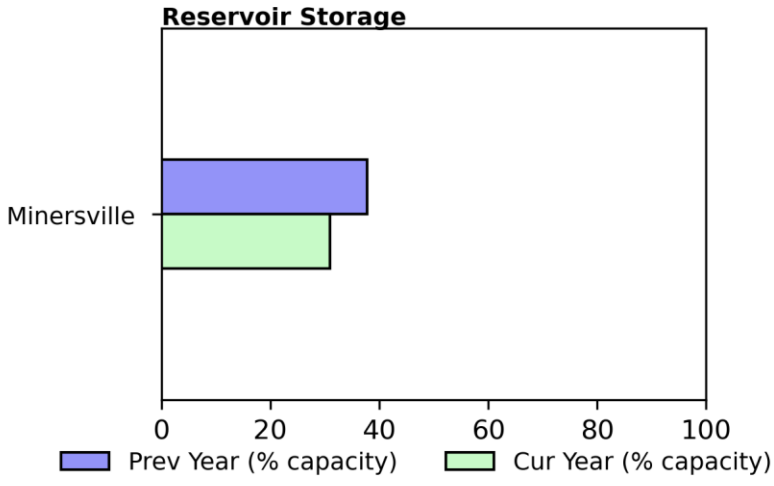
Beaver | May 1, 2022

Snowpack in the Beaver River Basin is well below normal at 57% of median, compared to 55% at this time last year. Precipitation in April was well below normal at 42%, which brings the seasonal accumulation (October-April) to 95% of median. Soil moisture is at 73% saturation compared to 71% saturation last year. Reservoir storage is 30% of capacity, compared to 37% last year. The forecast streamflow volume (50% exceedence, May-July) for the Beaver River is 65% of normal. The Surface Water Supply Index percentile is 7% for the Beaver River.



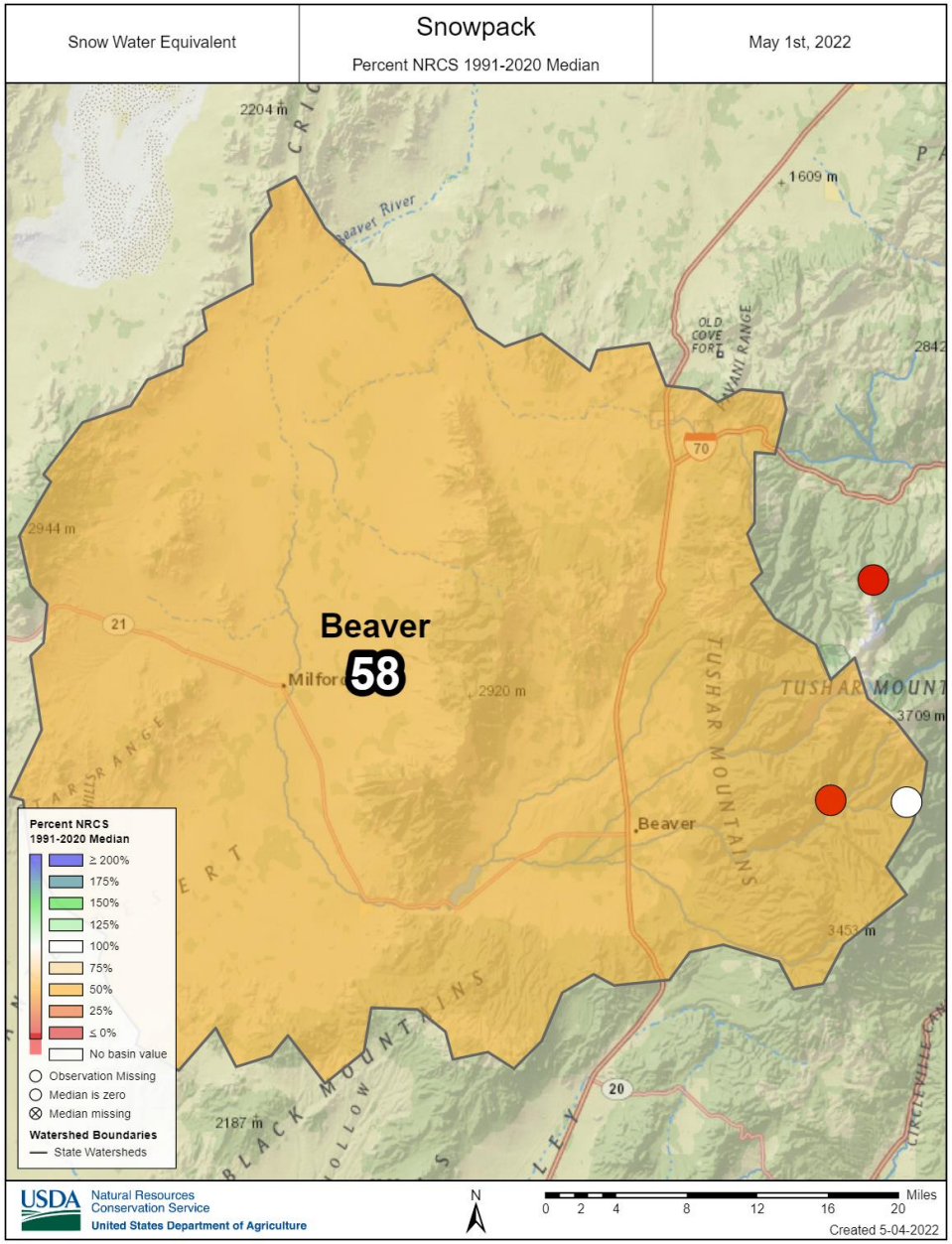


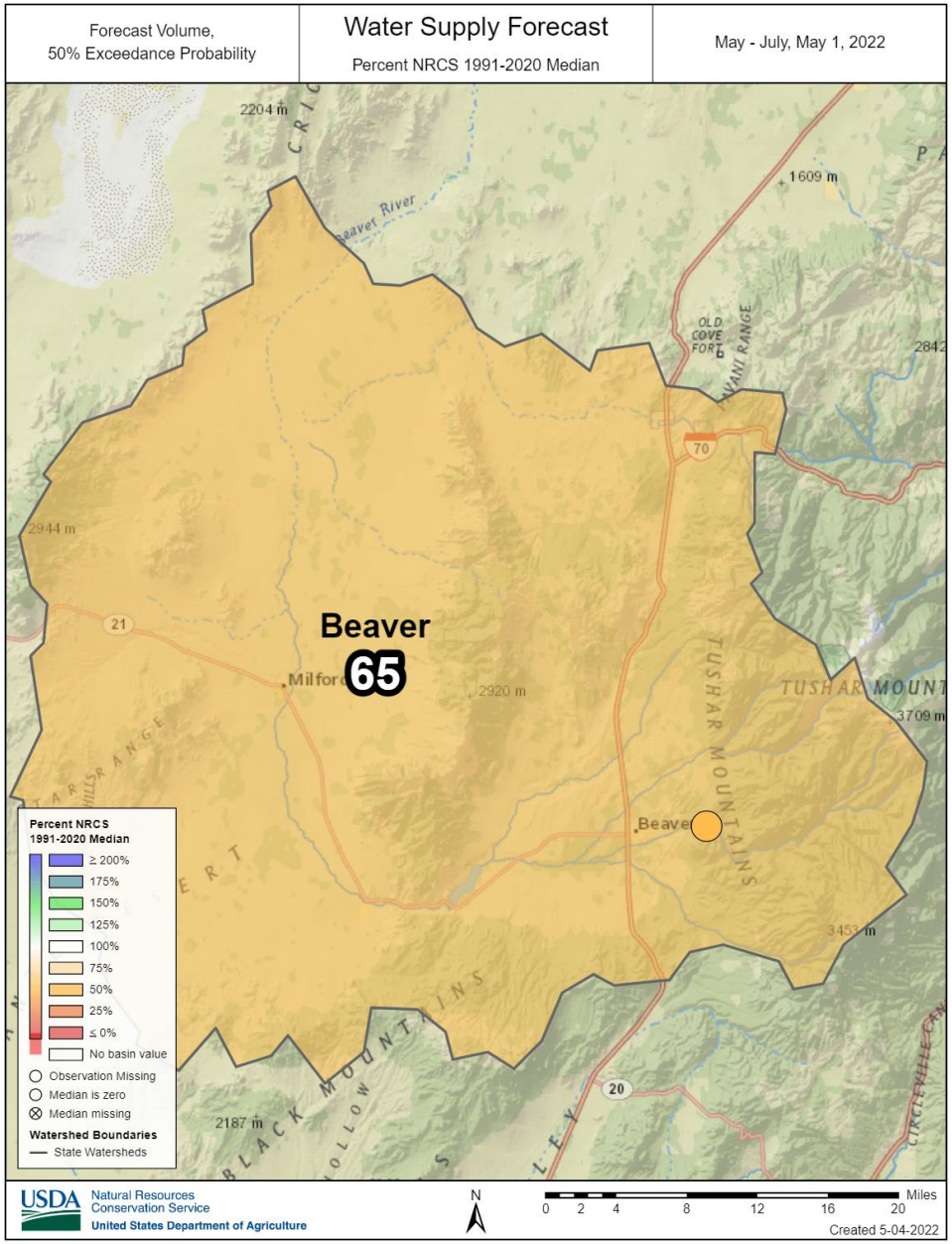




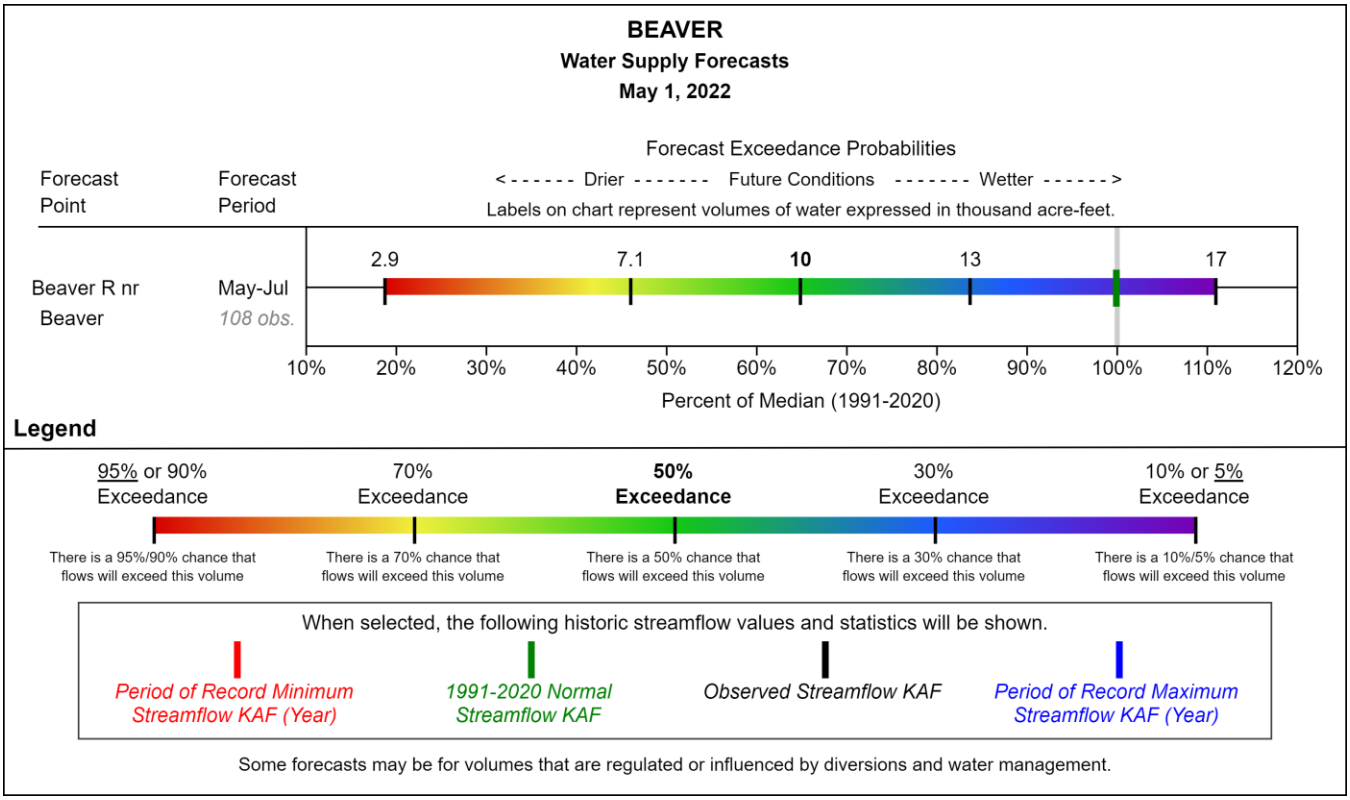
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Beaver


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
May 1st, 2022
Beaver
58
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 2 4 8 12 16 20 Miles
Created 5-04-2022

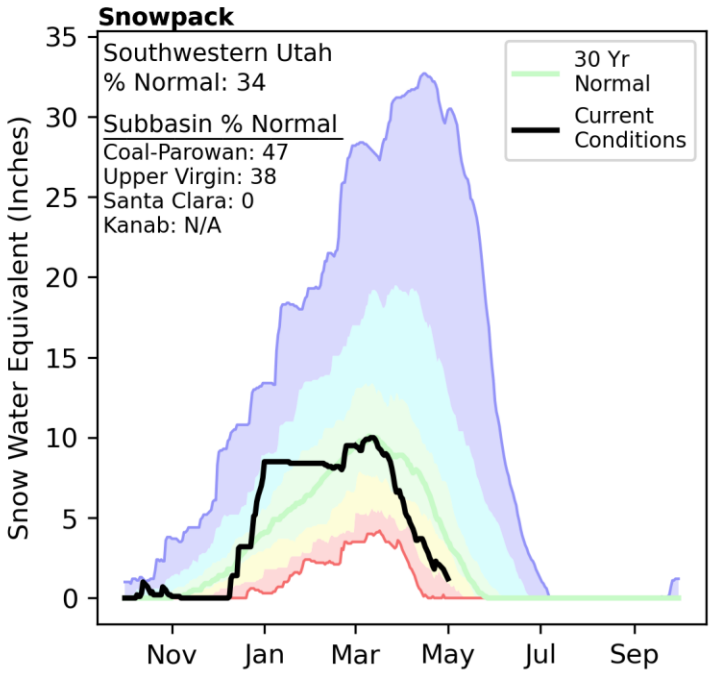

Forecast Volume,
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
May - July, May 1, 2022
Beaver
65
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA Natural Resources Conservation Service
United States Department of Agriculture
N
0 2 4 8 12 16 20 Miles
Created 5-04-2022

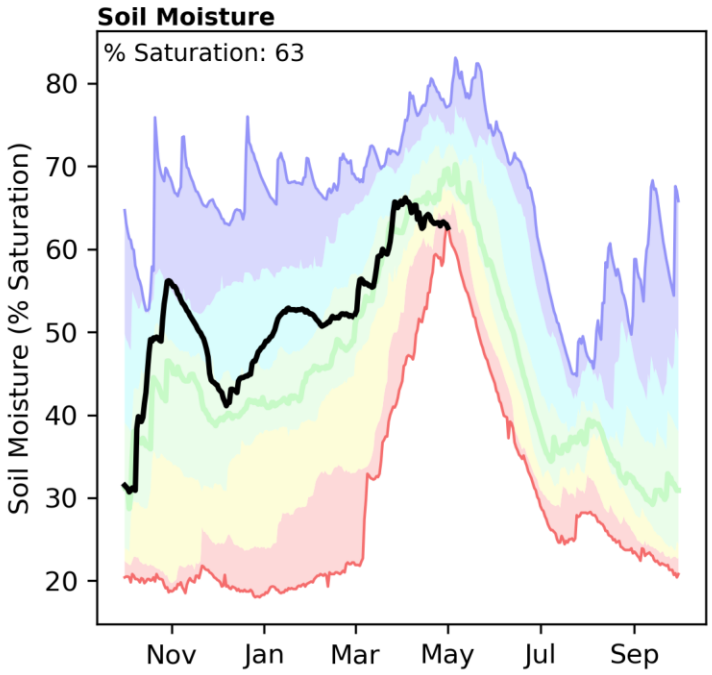
Beaver

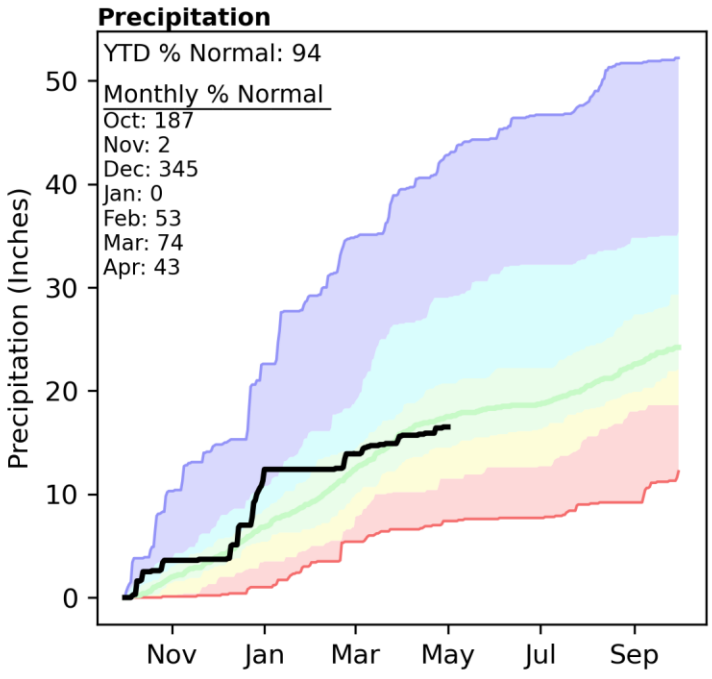

BEAVER
Water Supply Forecasts
May 1, 2022
Forecast Exceedance Probabilities
Forecast Point
Forecast Period
<------- Drier ------- Future Conditions ------- Wetter ------>
Labels on chart represent volumes of water expressed in thousand acre-feet.
Beaver R nr Beaver
May-Jul
108 obs.
2.9
7.1
10
13
17
10% 20% 30% 40% 50% 60% 70% 80% 90% 100% 110% 120%
Percent of Median (1991-2020)
Legend
95% or 90% Exceedance
There is a 95%/90% chance that flows will exceed this volume
70% Exceedance
There is a 70% chance that flows will exceed this volume
50% Exceedance
There is a 50% chance that flows will exceed this volume
30% Exceedance
There is a 30% chance that flows will exceed this volume
10% or 5% Exceedance
There is a 10%/5% chance that flows will exceed this volume
When selected, the following historic streamflow values and statistics will be shown.
Period of Record Minimum Streamflow KAF (Year)
1991-2020 Normal Streamflow KAF
Observed Streamflow KAF
Period of Record Maximum Streamflow KAF (Year)
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

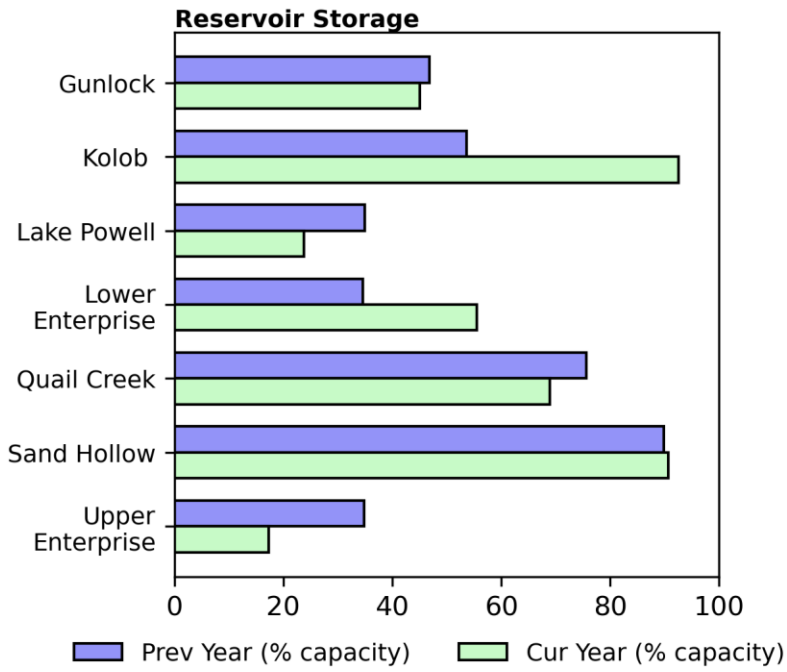
Southwestern Utah | May 1, 2022

Snowpack in Southwestern Utah is well below normal at 34% of median, compared to 20% at this time last year. Precipitation in April was well below normal at 43%, which brings the seasonal accumulation (October-April) to 94% of median. Soil moisture is at 63% saturation compared to 63% saturation last year. Reservoir storage is 24% of capacity, compared to 35% last year. Forecast streamflow volumes (50% exceedence, May-July) range from 43% to 62% of normal. The Surface Water Supply Index percentile is 6% for the Virgin River.



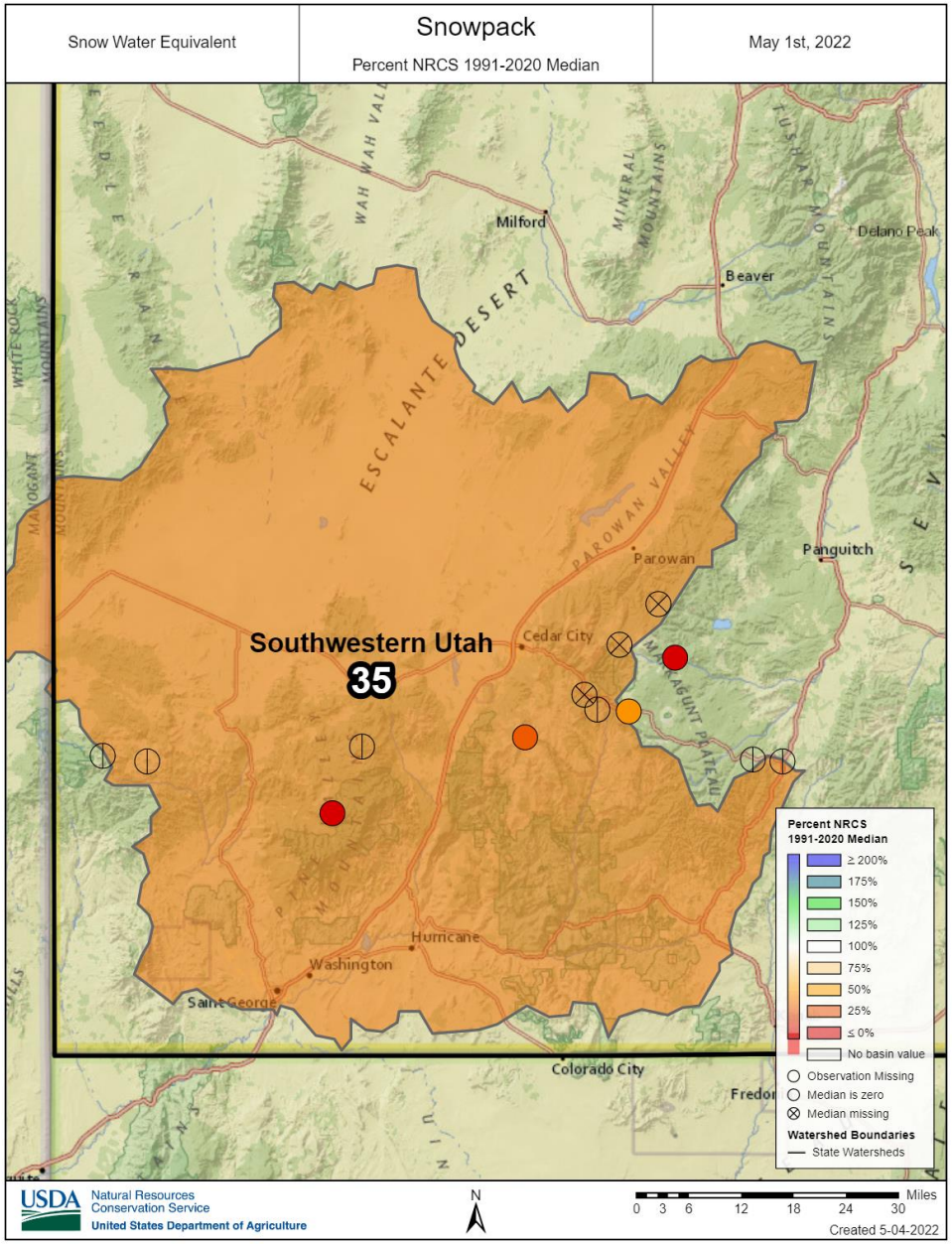


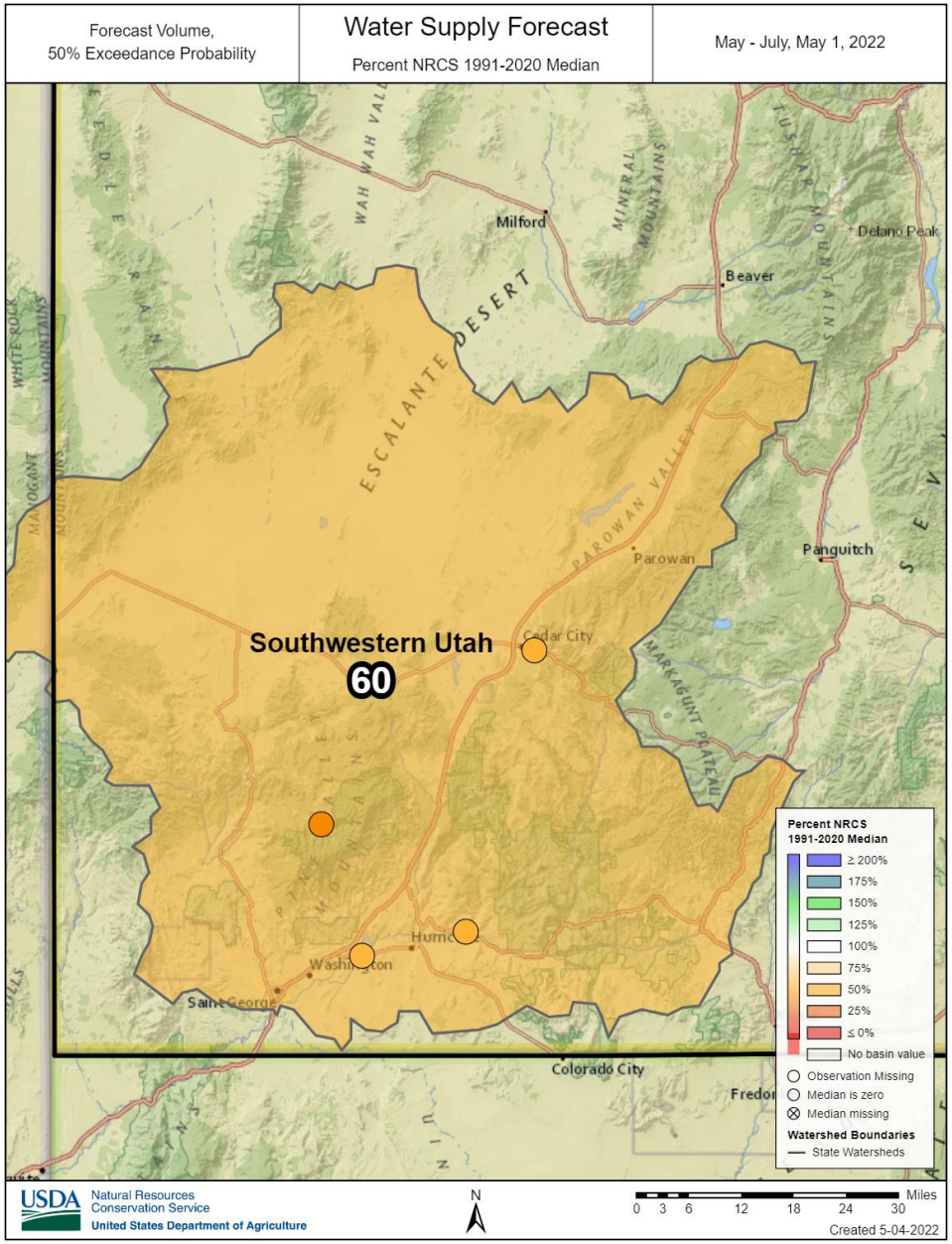




Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th percentiles.
For more information visit: 30 year normal calculation description

Southwestern Utah





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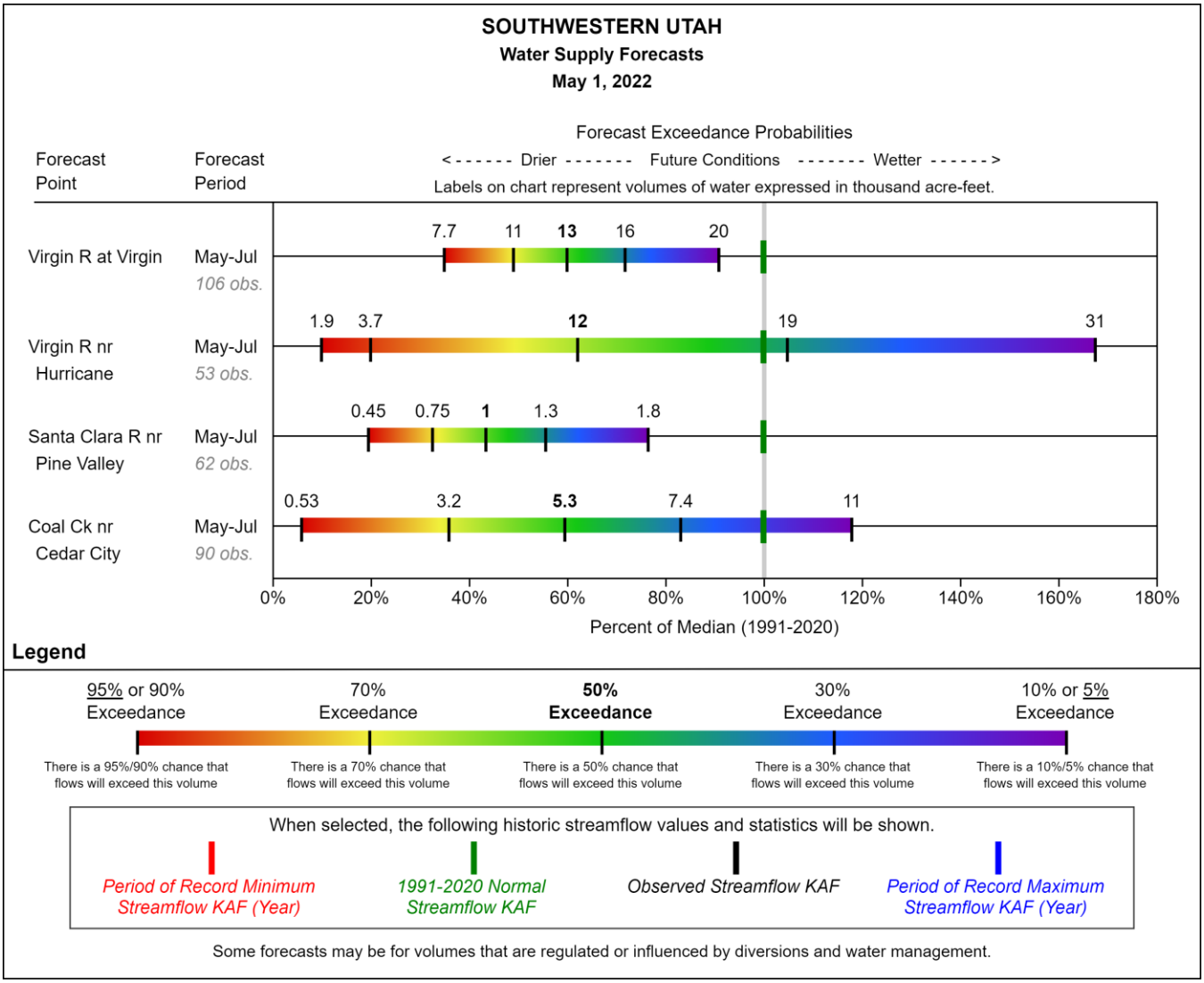

Legend

95% or 90% Exceedance — There is a 95%/90% chance that flows will exceed this volume

70% Exceedance — There is a 70% chance that flows will exceed this volume

50% Exceedance — There is a 50% chance that flows will exceed this volume

30% Exceedance — There is a 30% chance that flows will exceed this volume

10% or 5% Exceedance — There is a 10%/5% chance that flows will exceed this volume

When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year)

1991-2020 Normal Streamflow KAF

Observed Streamflow KAF

Period of Record Maximum Streamflow KAF (Year)

Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

Report Created:
5/4/2022 9:32:08 AM

Streamflow Forecast Summary: May 1, 2022
(Medians based On 1991-2020 reference period)

Raft	Forecast Period	Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast 90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Dunn Ck nr Park Valley								
	APR-JUL	0.21	0.98	1.5	63%	2	2.8	2.4
	MAY-JUL	0.19	0.77	1.3	62%	1.83	2.6	2.1

1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Bear	Forecast Period	Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast 90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Bear R ab Resv nr Woodruff								
	APR-JUL	27	56	75	82%	94	123	92
	APR-SEP	28	59	80	81%	101	132	99
	MAY-JUL	17.6	45	64	80%	83	110	80
	MAY-SEP	17.9	48	69	81%	90	120	85
Bear R bl Stewart Dam								
	APR-JUL	23	44	63	55%	85	123	115
	APR-SEP	24	47	67	55%	91	132	122
	MAY-JUL	12.6	31	49	53%	71	109	92
	MAY-SEP	13.1	34	53	49%	77	120	108
Logan R nr Logan								
	APR-JUL	49	62	70	77%	78	91	91
	MAY-JUL	40	52	61	78%	70	82	78
Smiths Fk nr Border								
	APR-JUL	52	62	69	80%	76	86	86
	APR-SEP	61	72	80	80%	88	99	100
	MAY-JUL	45	55	62	83%	69	79	75
	MAY-SEP	54	65	73	81%	81	92	90
Little Bear at Paradise								
	APR-JUL	4	11.1	16	57%	21	28	28
	MAY-JUL	1.12	6	11	59%	16	23	18.6
Bear R nr UT-WY State Line								
	APR-JUL	61	74	83	82%	92	105	101
	APR-SEP	69	83	93	82%	103	117	114
	MAY-JUL	53	66	75	77%	84	97	97
	MAY-SEP	61	75	85	79%	95	109	108
Big Ck nr Randolph								
	APR-JUL	0.19	1.3	2.5	78%	3.7	5.5	3.2
	MAY-JUL	0.2	0.7	1.9	76%	3.1	4.9	2.5
Blacksmith Fk nr Hyrum								
	APR-JUL	3.5	13.9	21	72%	28	39	29
	MAY-JUL	1.47	8.2	15	71%	22	32	21

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Weber-Ogden	Forecast Period	Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast 90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)

Weber R nr Oakley								
	APR-JUL	60	72	80	82%	88	100	97
	MAY-JUL	50	63	71	80%	79	92	89
East Canyon Ck nr Morgan								
	APR-JUL	6.7	11	14	78%	17	21	18
	MAY-JUL	1.97	6.4	9.4	69%	12.4	16.8	13.7
Lost Ck Reservoir Inflow								
	APR-JUL	2.6	5.6	7.6	80%	9.6	12.6	9.5
	MAY-JUL	0.4	2.8	5.1	77%	7.4	10.7	6.6
Chalk Ck at Coalville								
	APR-JUL	4	14.1	21	81%	28	38	26
	MAY-JUL	1.1	10.2	17	77%	24	34	22
Echo Reservoir Inflow								
	APR-JUL	51	78	96	80%	114	141	120
	MAY-JUL	28	57	76	75%	95	124	101
Weber R at Gateway								
	APR-JUL	47	108	150	73%	192	255	205
	MAY-JUL	12.4	67	104	68%	141	196	153
East Canyon Ck nr Jeremy Ranch								
	APR-JUL	2.4	5.4	7.5	79%	9.6	12.6	9.5
	MAY-JUL	0.51	2.4	4.2	66%	6	8.7	6.4
Rockport Reservoir Inflow								
	APR-JUL	38	58	72	83%	86	106	87
	MAY-JUL	25	45	58	79%	71	91	73
Weber R nr Coalville								
	APR-JUL	44	64	78	84%	92	112	93
	MAY-JUL	29	49	63	82%	77	97	77
Pineview Reservoir Inflow								
	APR-JUL	11.5	37	55	70%	73	98	79
	MAY-JUL	4.4	17.1	33	67%	49	73	49
SF Ogden R nr Huntsville								
	APR-JUL	19.1	26	30	73%	34	41	41
	MAY-JUL	6.6	14.4	19.7	68%	25	33	29

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Northeastern Uintas	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Flaming Gorge Resvr Local Bl Fontenelle [2]								
Blacks Fk nr Robertson								
	APR-JUL	47	59	66	73%	74	86	91
	MAY-JUL	44	55	63	74%	71	82	85
Ashley Ck nr Vernal								
	APR-JUL	18.1	26	31	72%	36	44	43
	MAY-JUL	15.3	23	28	67%	33	41	42
Big Brush Ck ab Red Fleet Reservoir								
	APR-JUL	7.7	10.7	12.7	64%	14.7	17.7	19.7
	MAY-JUL	6	9	11	66%	13	16	16.7
Stateline Reservoir Inflow[2]								
	APR-JUL	15.8	19.3	22	85%	24	29	26
	MAY-JUL	14.8	18.3	21	84%	24	28	25
Flaming Gorge Reservoir Inflow [2]								
	APR-JUL	370	495	590	60%	695	865	990
	MAY-JUL	310	430	525	60%	630	800	880

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Tooele Valley- Vernon Creek	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Vernon Ck nr Vernon								
	APR-JUL	0.12	0.25	0.36	49%	0.49	0.73	0.74
	MAY-JUL	0.08	0.17	0.25	48%	0.35	0.51	0.52
S Willow Ck nr Grantsville								
	APR-JUL	0.59	0.95	1.2	48%	1.45	1.81	2.5
	MAY-JUL	0.33	0.69	0.94	43%	1.19	1.56	2.2

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Duchesne	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Upper Stillwater Reservoir Inflow[2]								
	APR-JUL	52	58	62	91%	66	73	68
	MAY-JUL	46	52	56	85%	60	67	66
Uinta R bl Powerplant Diversion nr Neola								
	APR-JUL	35	45	52	81%	60	74	64
	MAY-JUL	32	42	49	80%	57	71	61
Duchesne R nr Randlett [2]								
	APR-JUL	138	176	205	80%	235	290	255
	MAY-JUL	109	147	176	78%	205	260	225
Rock Ck nr Mountain Home [2]								
	APR-JUL	62	69	74	95%	79	87	78
	MAY-JUL	54	61	66	89%	71	79	74
Strawberry R nr Duchesne [2]								
	APR-JUL	42	50	57	108%	64	76	53
	MAY-JUL	28	36	43	116%	50	62	37
Strawberry R nr Soldier Springs [2]								
	APR-JUL	25	31	35	97%	40	49	36
	MAY-JUL	13.3	19.3	24	89%	29	38	27
Duchesne R ab Knight Diversion [2]								
	APR-JUL	130	146	157	97%	169	187	162
	MAY-JUL	115	131	142	96%	154	172	148
Whiterocks R nr Whiterocks								
	APR-JUL	27	33	38	88%	43	52	43
	MAY-JUL	24	30	35	85%	40	49	41
Duchesne R nr Tabiona [2]								
	APR-JUL	64	75	82	94%	90	102	87
	MAY-JUL	56	67	74	96%	82	94	77
Duchesne R at Myton [2]								
	APR-JUL	137	167	189	88%	215	250	215
	MAY-JUL	108	138	160	83%	184	220	193
WF Duchesne R at VAT Diversion[2]								
	APR-JUL	9.3	10.9	12.1	83%	13.3	15.3	14.5
	MAY-JUL	8.2	9.8	11	81%	12.2	14.2	13.6
Currant Ck Reservoir Inflow[2]								
	APR-JUL	9.4	11.4	12.9	108%	14.5	17.1	11.9
	MAY-JUL	7.5	9.5	11	107%	12.6	15.2	10.3
Yellowstone R nr Altonah[2]								

	APR-JUL	34	41	46	82%	51	60	56
	MAY-JUL	30	37	42	78%	47	56	54
Lake Fk R bl Moon Lk nr Mountain Home[2]								
	APR-JUL	36	42	46	81%	50	57	57
	MAY-JUL	32	38	42	78%	46	53	54

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Provo-Utah Lake-Jordan	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Mill Ck nr SLC								
	APR-JUL	2.3	2.9	3.3	77%	3.8	4.5	4.3
	MAY-JUL	1.86	2.4	2.8	78%	3.2	3.9	3.6
Big Cottonwood Ck nr SLC								
	APR-JUL	16.6	19.7	22	76%	24	28	29
	MAY-JUL	13.7	16.7	19	76%	21	25	25
Provo R at Hailstone								
	APR-JUL	50	63	73	88%	83	100	83
	MAY-JUL	37	51	61	85%	71	89	72
Parleys Ck nr SLC								
	APR-JUL	4.2	5.5	6.4	74%	7.4	9	8.7
	MAY-JUL	2.5	3.8	4.8	75%	5.9	7.8	6.4
Little Cottonwood Ck nr SLC								
	APR-JUL	18.8	21	23	74%	25	28	31
	MAY-JUL	17.7	20	22	76%	24	27	29
Spanish Fk at Castilla								
	APR-JUL	0.9	8.8	19.6	65%	30	46	30
	MAY-JUL	1.38	3.2	12.8	56%	22	36	23
Emigration Ck nr SLC								
	APR-JUL	0.72	1.1	1.4	61%	1.74	2.3	2.3
	MAY-JUL	0.47	0.71	0.9	61%	1.11	1.46	1.48
Salt Ck at Nephi								
	APR-JUL	0.32	2.1	3.3	70%	4.5	6.3	4.7
	MAY-JUL	0.4	1.39	2.5	69%	3.6	5.2	3.6
Provo R at Woodland								
	APR-JUL	58	68	76	89%	84	97	85
	MAY-JUL	45	56	64	85%	73	86	75
Provo R bl Deer Ck Dam								
	APR-JUL	62	83	98	87%	112	133	113
	MAY-JUL	45	68	84	87%	100	124	97
Dell Fk nr SLC								
	APR-JUL	1.68	2.2	2.6	72%	3	3.7	3.6
	MAY-JUL	1.21	1.76	2.2	69%	2.7	3.5	3.2
W Canyon Ck nr Cedar Fort								
	APR-JUL	0.06	0.21	0.4	42%	0.79	1.37	0.95
	MAY-JUL	0.04	0.18	0.36	41%	0.73	1.26	0.87
American Fk ab Upper Powerplant								
	APR-JUL	6.3	11.3	14.8	77%	18.3	23	19.2
	MAY-JUL	4.2	9.3	12.8	75%	16.2	21	17
City Ck nr SLC								
	APR-JUL	2.7	3.1	3.5	66%	3.9	4.4	5.3
	MAY-JUL	2.2	2.7	3	67%	3.4	4	4.5
Utah Lake Inflow								
	APR-JUL	33	62	155	85%	240	375	182
	MAY-JUL	15.9	30	104	85%	154	315	122

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Lower Sevier	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Sevier R nr Gunnison								
	APR-JUL	1.47	8.7	17	57%	28	49	30
	MAY-JUL	0.58	5.8	12.5	57%	22	40	22

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
San Pitch	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Manti Ck bl Dugway Ck nr Manti								
	APR-JUL	2.7	5.9	8	62%	10.1	13.3	13
	MAY-JUL	1.72	4.9	7	58%	9.1	12.3	12

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		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Price-San Rafael	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Price R nr Scofield Reservoir[2]								
	APR-JUL	18.9	22	25	96%	28	32	26
	MAY-JUL	14.1	17.5	20	91%	23	27	22
Ferron Ck (Upper Station) nr Ferron								
	APR-JUL	18.6	21	23	72%	26	29	32
	MAY-JUL	16.7	19.5	21	72%	24	27	29
White R bl Tabbyune Creek								
	APR-JUL	4.3	5.6	6.6	92%	7.7	9.7	7.2
	MAY-JUL	2.3	3.6	4.6	90%	5.7	7.7	5.1
Electric Lake Inflow [2]								
	APR-JUL	6	7	7.8	94%	8.6	9.9	8.3
	MAY-JUL	5.2	6.2	7	96%	7.8	9.1	7.3
Huntington Ck nr Huntington [2]								
	APR-JUL	26	30	32	89%	35	39	36
	MAY-JUL	24	28	30	88%	33	37	34
Joes Valley Reservoir Inflow[2]								
	APR-JUL	28	33	36	82%	39	45	44
	MAY-JUL	25	30	33	80%	36	42	41
Fish Ck ab Reservoir nr Scofield [2]								
	APR-JUL	14.1	16.8	18.9	95%	21	25	19.8
	MAY-JUL	11.4	14.1	16.2	93%	18.4	22	17.5

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Upper Sevier	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Mammoth Ck nr Hatch								
	APR-JUL	5.8	10.8	14.2	72%	17.6	23	19.7
	MAY-JUL	4.9	9.6	12.7	70%	15.8	20	18.2
Salina Ck nr Emery								
	APR-JUL	2.1	2.8	3.3	59%	3.8	4.5	5.6
	MAY-JUL	0.15	0.53	2	41%	3.5	5.6	4.9
Sevier R at Hatch								
	APR-JUL	3.7	13.7	20	59%	27	37	34
	MAY-JUL	1.68	10	15.7	54%	21	30	29
Sevier R nr Gunnison								
	APR-JUL	1.47	8.7	17	57%	28	49	30
	MAY-JUL	0.58	5.8	12.5	57%	22	40	22
EF Sevier R nr Kingston								
	APR-JUL	1.84	4.5	7	52%	10.1	15.6	13.4
	MAY-JUL	0.16	1.56	3.3	40%	5.8	10.5	8.2
Sevier R nr Kingston								
	APR-JUL	0.63	3.5	6.7	46%	11	19.2	14.7
	MAY-JUL	0.2	2	4.3	39%	7.5	13.8	10.9
Clear Ck ab Diversions nr Sevier								
	APR-JUL	2.5	6.5	9.2	68%	11.9	15.9	13.6
	MAY-JUL	1.61	4.9	7.2	66%	9.5	12.8	10.9

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Southeastern Utah	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Green R at Green River, UT [2]								
	APR-JUL	1370	1670	1890	72%	2130	2510	2610
	MAY-JUL	1140	1440	1660	75%	1900	2280	2210
Colorado R nr Cisco [2]								
	APR-JUL	2140	2500	2760	74%	3030	3460	3750
	MAY-JUL	1740	2100	2360	73%	2630	3060	3220
South Ck ab Resv nr Monticello								
	APR-JUL	0.05	0.09	0.13	32%	0.18	0.28	0.41
	MAY-JUL	0.01	0.05	0.09	35%	0.14	0.24	0.26
Mill Ck at Sheley Tunnel nr Moab								
	APR-JUL	1.94	2.5	3	91%	3.5	4.4	3.3
	MAY-JUL	1.24	1.83	2.3	82%	2.8	3.7	2.8

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2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Dirty Devil	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Muddy Ck nr Emery								
	APR-JUL	6.2	8.3	9.8	60%	11.5	14.2	16.3
	MAY-JUL	5.4	7.5	9	60%	10.7	13.4	14.9
Seven Mile Ck nr Fish Lake								

	APR-JUL	3.9	4.5	5	82%	5.5	6.3	6.1
	MAY-JUL	2.8	3.4	3.9	76%	4.4	5.2	5.1

1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Beaver	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Beaver R nr Beaver								
	APR-JUL	4.6	8.6	11.3	65%	14	18	17.4
	MAY-JUL	2.9	7.1	10	65%	12.9	17.1	15.4

1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Southwestern Utah	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Santa Clara R nr Pine Valley								
	APR-JUL	0.74	1.11	1.4	44%	1.73	2.3	3.2
	MAY-JUL	0.45	0.75	1	43%	1.28	1.76	2.3
Virgin R at Virgin								
	APR-JUL	12.2	16.1	19	53%	22	27	36
	MAY-JUL	7.7	10.8	13.2	60%	15.8	20	22
Virgin R nr Hurricane								
	APR-JUL	0.93	8.3	19	61%	30	45	31
	MAY-JUL	1.85	3.7	11.5	62%	19.4	31	18.5
Coal Ck nr Cedar City								
	APR-JUL	2.5	5.5	7.5	60%	9.5	12.5	12.5
	MAY-JUL	0.53	3.2	5.3	60%	7.4	10.5	8.9

1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
Escalante-Paria	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Pine Ck nr Escalante								
	APR-JUL	0.47	0.71	0.93	57%	1.18	1.63	1.63
	MAY-JUL	0.25	0.49	0.71	64%	0.96	1.41	1.11

1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

		Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast						
State of Utah	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Uinta R bl Powerplant Diversion nr Neola								

	APR-JUL	35	45	52	81%	60	74	64
	MAY-JUL	32	42	49	80%	57	71	61
Weber R nr Oakley								
	APR-JUL	60	72	80	82%	88	100	97
	MAY-JUL	50	63	71	80%	79	92	89
Logan R nr Logan								
	APR-JUL	49	62	70	77%	78	91	91
	MAY-JUL	40	52	61	78%	70	82	78
Rock Ck nr Mountain Home [2]								
	APR-JUL	62	69	74	95%	79	87	78
	MAY-JUL	54	61	66	89%	71	79	74
Mill Ck at Sheley Tunnel nr Moab								
	APR-JUL	1.94	2.5	3	91%	3.5	4.4	3.3
	MAY-JUL	1.24	1.83	2.3	82%	2.8	3.7	2.8
White R bl Tabbyune Creek								
	APR-JUL	4.3	5.6	6.6	92%	7.7	9.7	7.2
	MAY-JUL	2.3	3.6	4.6	90%	5.7	7.7	5.1
Electric Lake Inflow [2]								
	APR-JUL	6	7	7.8	94%	8.6	9.9	8.3
	MAY-JUL	5.2	6.2	7	96%	7.8	9.1	7.3
Stateline Reservoir Inflow[2]								
	APR-JUL	15.8	19.3	22	85%	24	29	26
	MAY-JUL	14.8	18.3	21	84%	24	28	25
Sevier R nr Gunnison								
	APR-JUL	1.47	8.7	17	57%	28	49	30
	MAY-JUL	0.58	5.8	12.5	57%	22	40	22
Flaming Gorge Reservoir Inflow [2]								
	APR-JUL	370	495	590	60%	695	865	990
	MAY-JUL	310	430	525	60%	630	800	880
Seven Mile Ck nr Fish Lake								
	APR-JUL	3.9	4.5	5	82%	5.5	6.3	6.1
	MAY-JUL	2.8	3.4	3.9	76%	4.4	5.2	5.1
Santa Clara R nr Pine Valley								
	APR-JUL	0.74	1.11	1.4	44%	1.73	2.3	3.2
	MAY-JUL	0.45	0.75	1	43%	1.28	1.76	2.3
Bear R nr UT-WY State Line								
	APR-JUL	61	74	83	82%	92	105	101
	APR-SEP	69	83	93	82%	103	117	114
	MAY-JUL	53	66	75	77%	84	97	97
	MAY-SEP	61	75	85	79%	95	109	108
Provo R bl Deer Ck Dam								
	APR-JUL	62	83	98	87%	112	133	113
	MAY-JUL	45	68	84	87%	100	124	97
Weber R nr Coalville								
	APR-JUL	44	64	78	84%	92	112	93
	MAY-JUL	29	49	63	82%	77	97	77
American Fk ab Upper Powerplant								
	APR-JUL	6.3	11.3	14.8	77%	18.3	23	19.2
	MAY-JUL	4.2	9.3	12.8	75%	16.2	21	17
Mill Ck nr SLC								
	APR-JUL	2.3	2.9	3.3	77%	3.8	4.5	4.3
	MAY-JUL	1.86	2.4	2.8	78%	3.2	3.9	3.6
Provo R at Hailstone								
	APR-JUL	50	63	73	88%	83	100	83
	MAY-JUL	37	51	61	85%	71	89	72
Muddy Ck nr Emery								
	APR-JUL	6.2	8.3	9.8	60%	11.5	14.2	16.3
	MAY-JUL	5.4	7.5	9	60%	10.7	13.4	14.9
Emigration Ck nr SLC								
	APR-JUL	0.72	1.1	1.4	61%	1.74	2.3	2.3
	MAY-JUL	0.47	0.71	0.9	61%	1.11	1.46	1.48
Bear R bl Stewart Dam								

	APR-JUL	23	44	63	55%	85	123	115
	APR-SEP	24	47	67	55%	91	132	122
	MAY-JUL	12.6	31	49	53%	71	109	92
	MAY-SEP	13.1	34	53	49%	77	120	108
Little Bear at Paradise								
	APR-JUL	4	11.1	16	57%	21	28	28
	MAY-JUL	1.12	6	11	59%	16	23	18.6
Ashley Ck nr Vernal								
	APR-JUL	18.1	26	31	72%	36	44	43
	MAY-JUL	15.3	23	28	67%	33	41	42
Coal Ck nr Cedar City								
	APR-JUL	2.5	5.5	7.5	60%	9.5	12.5	12.5
	MAY-JUL	0.53	3.2	5.3	60%	7.4	10.5	8.9
Colorado R nr Cisco [2]								
	APR-JUL	2140	2500	2760	74%	3030	3460	3750
	MAY-JUL	1740	2100	2360	73%	2630	3060	3220
Huntington Ck nr Huntington [2]								
	APR-JUL	26	30	32	89%	35	39	36
	MAY-JUL	24	28	30	88%	33	37	34
Pineview Reservoir Inflow								
	APR-JUL	11.5	37	55	70%	73	98	79
	MAY-JUL	4.4	17.1	33	67%	49	73	49
Joes Valley Reservoir Inflow[2]								
	APR-JUL	28	33	36	82%	39	45	44
	MAY-JUL	25	30	33	80%	36	42	41
Little Cottonwood Ck nr SLC								
	APR-JUL	18.8	21	23	74%	25	28	31
	MAY-JUL	17.7	20	22	76%	24	27	29
Salina Ck nr Emery								
	APR-JUL	2.1	2.8	3.3	59%	3.8	4.5	5.6
	MAY-JUL	0.15	0.53	2	41%	3.5	5.6	4.9
Big Ck nr Randolph								
	APR-JUL	0.19	1.3	2.5	78%	3.7	5.5	3.2
	MAY-JUL	0.2	0.7	1.9	76%	3.1	4.9	2.5
Weber R at Gateway								
	APR-JUL	47	108	150	73%	192	255	205
	MAY-JUL	12.4	67	104	68%	141	196	153
Pine Ck nr Escalante								
	APR-JUL	0.47	0.71	0.93	57%	1.18	1.63	1.63
	MAY-JUL	0.25	0.49	0.71	64%	0.96	1.41	1.11
Duchesne R at Myton [2]								
	APR-JUL	137	167	189	88%	215	250	215
	MAY-JUL	108	138	160	83%	184	220	193
SF Ogden R nr Huntsville								
	APR-JUL	19.1	26	30	73%	34	41	41
	MAY-JUL	6.6	14.4	19.7	68%	25	33	29
Bear R ab Resv nr Woodruff								
	APR-JUL	27	56	75	82%	94	123	92
	APR-SEP	28	59	80	81%	101	132	99
	MAY-JUL	17.6	45	64	80%	83	110	80
	MAY-SEP	17.9	48	69	81%	90	120	85
South Ck ab Resv nr Monticello								
	APR-JUL	0.05	0.09	0.13	32%	0.18	0.28	0.41
	MAY-JUL	0.01	0.05	0.09	35%	0.14	0.24	0.26
Blacks Fk nr Robertson								
	APR-JUL	47	59	66	73%	74	86	91
	MAY-JUL	44	55	63	74%	71	82	85
Sevier R at Hatch								
	APR-JUL	3.7	13.7	20	59%	27	37	34
	MAY-JUL	1.68	10	15.7	54%	21	30	29
Big Cottonwood Ck nr SLC								
	APR-JUL	16.6	19.7	22	76%	24	28	29

	MAY-JUL	13.7	16.7	19	76%	21	25	25
City Ck nr SLC								
	APR-JUL	2.7	3.1	3.5	66%	3.9	4.4	5.3
	MAY-JUL	2.2	2.7	3	67%	3.4	4	4.5
Upper Stillwater Reservoir Inflow[2]								
	APR-JUL	52	58	62	91%	66	73	68
	MAY-JUL	46	52	56	85%	60	67	66
Chalk Ck at Coalville								
	APR-JUL	4	14.1	21	81%	28	38	26
	MAY-JUL	1.1	10.2	17	77%	24	34	22
Rockport Reservoir Inflow								
	APR-JUL	38	58	72	83%	86	106	87
	MAY-JUL	25	45	58	79%	71	91	73
Whiterocks R nr Whiterocks								
	APR-JUL	27	33	38	88%	43	52	43
	MAY-JUL	24	30	35	85%	40	49	41
Flaming Gorge Resvr Local Bl Fontenelle [2]								
East Canyon Ck nr Morgan								
	APR-JUL	6.7	11	14	78%	17	21	18
	MAY-JUL	1.97	6.4	9.4	69%	12.4	16.8	13.7
Strawberry R nr Duchesne [2]								
	APR-JUL	42	50	57	108%	64	76	53
	MAY-JUL	28	36	43	116%	50	62	37
Manti Ck bl Dugway Ck nr Manti								
	APR-JUL	2.7	5.9	8	62%	10.1	13.3	13
	MAY-JUL	1.72	4.9	7	58%	9.1	12.3	12
Mammoth Ck nr Hatch								
	APR-JUL	5.8	10.8	14.2	72%	17.6	23	19.7
	MAY-JUL	4.9	9.6	12.7	70%	15.8	20	18.2
Virgin R nr Hurricane								
	APR-JUL	0.93	8.3	19	61%	30	45	31
	MAY-JUL	1.85	3.7	11.5	62%	19.4	31	18.5
Duchesne R ab Knight Diversion [2]								
	APR-JUL	130	146	157	97%	169	187	162
	MAY-JUL	115	131	142	96%	154	172	148
Dunn Ck nr Park Valley								
	APR-JUL	0.21	0.98	1.5	63%	2	2.8	2.4
	MAY-JUL	0.19	0.77	1.3	62%	1.83	2.6	2.1
Blacksmith Fk nr Hyrum								
	APR-JUL	3.5	13.9	21	72%	28	39	29
	MAY-JUL	1.47	8.2	15	71%	22	32	21
S Willow Ck nr Grantsville								
	APR-JUL	0.59	0.95	1.2	48%	1.45	1.81	2.5
	MAY-JUL	0.33	0.69	0.94	43%	1.19	1.56	2.2
Currant Ck Reservoir Inflow[2]								
	APR-JUL	9.4	11.4	12.9	108%	14.5	17.1	11.9
	MAY-JUL	7.5	9.5	11	107%	12.6	15.2	10.3
Duchesne R nr Randlett [2]								
	APR-JUL	138	176	205	80%	235	290	255
	MAY-JUL	109	147	176	78%	205	260	225
Vernon Ck nr Vernon								
	APR-JUL	0.12	0.25	0.36	49%	0.49	0.73	0.74
	MAY-JUL	0.08	0.17	0.25	48%	0.35	0.51	0.52
Big Brush Ck ab Red Fleet Reservoir								
	APR-JUL	7.7	10.7	12.7	64%	14.7	17.7	19.7
	MAY-JUL	6	9	11	66%	13	16	16.7
W Canyon Ck nr Cedar Fort								
	APR-JUL	0.06	0.21	0.4	42%	0.79	1.37	0.95
	MAY-JUL	0.04	0.18	0.36	41%	0.73	1.26	0.87
WF Duchesne R at VAT Diversion[2]								
	APR-JUL	9.3	10.9	12.1	83%	13.3	15.3	14.5

	MAY-JUL	8.2	9.8	11	81%	12.2	14.2	13.6
Spanish Fk at Castilla								
	APR-JUL	0.9	8.8	19.6	65%	30	46	30
	MAY-JUL	1.38	3.2	12.8	56%	22	36	23
Salt Ck at Nephi								
	APR-JUL	0.32	2.1	3.3	70%	4.5	6.3	4.7
	MAY-JUL	0.4	1.39	2.5	69%	3.6	5.2	3.6
Virgin R at Virgin								
	APR-JUL	12.2	16.1	19	53%	22	27	36
	MAY-JUL	7.7	10.8	13.2	60%	15.8	20	22
EF Sevier R nr Kingston								
	APR-JUL	1.84	4.5	7	52%	10.1	15.6	13.4
	MAY-JUL	0.16	1.56	3.3	40%	5.8	10.5	8.2
Smiths Fk nr Border								
	APR-JUL	52	62	69	80%	76	86	86
	APR-SEP	61	72	80	80%	88	99	100
	MAY-JUL	45	55	62	83%	69	79	75
	MAY-SEP	54	65	73	81%	81	92	90
Ferron Ck (Upper Station) nr Ferron								
	APR-JUL	18.6	21	23	72%	26	29	32
	MAY-JUL	16.7	19.5	21	72%	24	27	29
Green R at Green River, UT [2]								
	APR-JUL	1370	1670	1890	72%	2130	2510	2610
	MAY-JUL	1140	1440	1660	75%	1900	2280	2210
Dell Fk nr SLC								
	APR-JUL	1.68	2.2	2.6	72%	3	3.7	3.6
	MAY-JUL	1.21	1.76	2.2	69%	2.7	3.5	3.2
East Canyon Ck nr Jeremy Ranch								
	APR-JUL	2.4	5.4	7.5	79%	9.6	12.6	9.5
	MAY-JUL	0.51	2.4	4.2	66%	6	8.7	6.4
Duchesne R nr Tabiona [2]								
	APR-JUL	64	75	82	94%	90	102	87
	MAY-JUL	56	67	74	96%	82	94	77
Yellowstone R nr Altonah[2]								
	APR-JUL	34	41	46	82%	51	60	56
	MAY-JUL	30	37	42	78%	47	56	54
Utah Lake Inflow								
	APR-JUL	33	62	155	85%	240	375	182
	MAY-JUL	15.9	30	104	85%	154	315	122
Fish Ck ab Reservoir nr Scofield [2]								
	APR-JUL	14.1	16.8	18.9	95%	21	25	19.8
	MAY-JUL	11.4	14.1	16.2	93%	18.4	22	17.5
Parleys Ck nr SLC								
	APR-JUL	4.2	5.5	6.4	74%	7.4	9	8.7
	MAY-JUL	2.5	3.8	4.8	75%	5.9	7.8	6.4
Beaver R nr Beaver								
	APR-JUL	4.6	8.6	11.3	65%	14	18	17.4
	MAY-JUL	2.9	7.1	10	65%	12.9	17.1	15.4
Lost Ck Reservoir Inflow								
	APR-JUL	2.6	5.6	7.6	80%	9.6	12.6	9.5
	MAY-JUL	0.4	2.8	5.1	77%	7.4	10.7	6.6
Lake Fk R bl Moon Lk nr Mountain Home[2]								
	APR-JUL	36	42	46	81%	50	57	57
	MAY-JUL	32	38	42	78%	46	53	54
Clear Ck ab Diversions nr Sevier								
	APR-JUL	2.5	6.5	9.2	68%	11.9	15.9	13.6
	MAY-JUL	1.61	4.9	7.2	66%	9.5	12.8	10.9
Price R nr Scofield Reservoir[2]								
	APR-JUL	18.9	22	25	96%	28	32	26
	MAY-JUL	14.1	17.5	20	91%	23	27	22
Provo R at Woodland								
	APR-JUL	58	68	76	89%	84	97	85

	MAY-JUL	45	56	64	85%	73	86	75
Strawberry R nr Soldier Springs [2]								
	APR-JUL	25	31	35	97%	40	49	36
	MAY-JUL	13.3	19.3	24	89%	29	38	27
Echo Reservoir Inflow								
	APR-JUL	51	78	96	80%	114	141	120
	MAY-JUL	28	57	76	75%	95	124	101
Sevier R nr Kingston								
	APR-JUL	0.63	3.5	6.7	46%	11	19.2	14.7
	MAY-JUL	0.2	2	4.3	39%	7.5	13.8	10.9

1) 90% And 10% exceedance probabilities are actually 95% And 5%
2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

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Basinwide Summary: May 1, 2022
(Medians based On 1991-2020 reference period)

Reservoir Storage Summary For the End of April 2022

Bear	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Hyrum Reservoir	14.6	14.6	14.7	15.3	96%	95%	96%	99%	99%
Montpelier Reservoir	2.7	3.4	3.2	4.0	68%	84%	80%	84%	105%
Woodruff Creek	4.0	4.0	4.0	4.0	100%	100%	100%	100%	100%
Woodruff Narrows Reservoir	26.1	26.5	55.5	57.3	46%	46%	97%	47%	48%
Bear Lake	608.3	833.1	572.8	1302.0	47%	64%	44%	106%	145%
Porcupine Reservoir	10.1	9.7	11.3	11.3	90%	86%	100%	90%	86%
Basin Index					**48%**	**64%**	**47%**	**101%**	**135%**
# of reservoirs					6	6	6	6	6

Weber-Ogden	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Echo Reservoir	39.1	33.3	53.3	73.9	53%	45%	72%	73%	62%
Willard Bay	108.7	144.5	174.0	215.0	51%	67%	81%	62%	83%
Rockport Reservoir	49.2	39.8	41.6	60.9	81%	65%	68%	118%	96%
Smith And Morehouse Reservoir	5.2	3.4	5.4	8.1	64%	42%	67%	97%	62%
Causey Reservoir	6.9	5.9	5.9	7.1	98%	83%	83%	118%	100%
East Canyon Reservoir	35.2	36.9	41.1	49.5	71%	75%	83%	86%	90%
Pineview Reservoir	56.7	64.6	83.6	110.1	51%	59%	76%	68%	77%
Lost Creek Reservoir	12.6	16.0	16.3	22.5	56%	71%	72%	77%	98%
Basin Index					**57%**	**63%**	**77%**	**74%**	**82%**
# of reservoirs					8	8	8	8	8

Northeastern Uintas	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Red Fleet Reservoir	12.9	16.7	20.0	25.7	50%	65%	78%	64%	83%
Steinaker Reservoir	14.1	9.8	24.4	33.4	42%	29%	73%	58%	40%
Stateline Reservoir	7.2	4.5	6.5	12.0	60%	38%	54%	111%	69%
Flaming Gorge Reservoir	2937.8	3178.3	3114.0	3749.0	78%	85%	83%	94%	102%
Meeks Cabin Reservoir	16.6	8.4	15.6	32.5	51%	26%	48%	106%	54%
Basin Index					**78%**	**84%**	**83%**	**94%**	**101%**
# of reservoirs					5	5	5	5	5

Tooele Valley-Vernon Creek	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Grantsville Reservoir	2.3	2.1	2.8	3.3	69%	62%	85%	81%	73%
Settlement Canyon Reservoir	0.4	0.6	0.8	1.0	39%	56%	80%	48%	69%
Basin Index					**62%**	**61%**	**84%**	**74%**	**72%**
# of reservoirs					2	2	2	2	2

Duchesne	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Upper Stillwater Reservoir	1.9	3.6	1.8	32.5	6%	11%	6%	107%	197%
Moon Lake Reservoir	27.2	15.8	24.1	35.8	76%	44%	67%	113%	66%
Currant Creek Reservoir	14.8	14.5	14.9	15.5	95%	94%	96%	99%	97%
Big Sand Wash Reservoir	26.7	20.8		25.7	104%	81%			
Strawberry Reservoir	855.6	925.7	881.1	1105.9	77%	84%	80%	97%	105%
Starvation Reservoir	154.3	163.0	155.3	164.1	94%	99%	95%	99%	105%
Basin Index					**78%**	**83%**	**80%**	**98%**	**104%**
# of reservoirs					6	6	5	5	5

Provo-Utah Lake-Jordan	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Jordanelle Reservoir	161.4	208.3	236.7	314.0	51%	66%	75%	68%	88%
Utah Lake	496.2	662.1	756.7	870.9	57%	76%	87%	66%	88%
Deer Creek Reservoir	130.5	130.3	131.3	149.7	87%	87%	88%	99%	99%
Basin Index					**59%**	**75%**	**84%**	**70%**	**89%**
# of reservoirs					3	3	3	3	3

San Pitch	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Gunnison Reservoir	0.7	0.0	11.2	20.3	3%	0%	55%	6%	0%
Basin Index					**3%**	**0%**	**55%**	**6%**	**0%**
# of reservoirs					1	1	1	1	1

Price-San Rafael	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Miller Flat Reservoir	1.8	1.6		5.2	34%	30%			

Millsite	4.8	4.0	10.9	16.7	29%	24%	65%	44%	37%
Joes Valley Reservoir	23.2	37.4	38.5	61.6	38%	61%	63%	60%	97%
Scofield Reservoir	25.4	36.8	26.8	65.8	39%	56%	41%	95%	137%
Huntington North Reservoir	4.1	3.8	4.1	4.2	97%	91%	98%	99%	94%
Cleveland Lake	0.1	1.6		5.4	2%	29%			
Basin Index					**37%**	**54%**	**54%**	**72%**	**102%**
# of reservoirs					6	6	4	4	4

Upper Sevier	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Piute Reservoir	17.0	25.7	54.2	71.8	24%	36%	75%	31%	47%
Otter Creek Reservoir	28.1	32.3	43.3	52.5	53%	61%	82%	65%	75%
Sevier Bridge Reservoir	70.8	85.2	133.2	236.0	30%	36%	56%	53%	64%
Panguitch Lake	12.5	16.0	13.0	22.3	56%	72%	58%	96%	123%
Basin Index					**34%**	**42%**	**64%**	**53%**	**65%**
# of reservoirs					4	4	4	4	4

Southeastern Utah	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Ken's Lake	1.5	0.7	1.3	2.3	66%	30%	58%	113%	52%
Basin Index					**66%**	**30%**	**58%**	**113%**	**52%**
# of reservoirs					1	1	1	1	1

Beaver	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Minersville Reservoir	7.2	8.8	12.2	23.3	31%	38%	52%	59%	72%
Basin Index					**31%**	**38%**	**52%**	**59%**	**72%**
# of reservoirs					1	1	1	1	1

Southwestern Utah	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Sand Hollow Reservoir	45.3	44.9		50.0	91%	90%			
Gunlock	4.7	4.9	8.2	10.4	45%	47%	79%	57%	59%
Kolob Reservoir	5.2	3.0		5.6	93%	54%			
Upper Enterprise	1.7	3.5	5.5	10.0	17%	35%	55%	31%	63%
Quail Creek	27.6	30.2	31.6	40.0	69%	76%	79%	87%	96%
Lower Enterprise	1.4	0.9	1.4	2.6	56%	35%	52%	107%	67%
Basin Index					**72%**	**74%**	**74%**	**76%**	**85%**
# of reservoirs					6	6	4	4	4

State of Utah	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Red Fleet Reservoir	12.9	16.7	20.0	25.7	50%	65%	78%	64%	83%
Miller Flat Reservoir	1.8	1.6		5.2	34%	30%			
Upper Stillwater Reservoir	1.9	3.6	1.8	32.5	6%	11%	6%	107%	197%
Hyrum Reservoir	14.6	14.6	14.7	15.3	96%	95%	96%	99%	99%
Willard Bay	108.7	144.5	174.0	215.0	51%	67%	81%	62%	83%
Millsite	4.8	4.0	10.9	16.7	29%	24%	65%	44%	37%
Montpelier Reservoir	2.7	3.4	3.2	4.0	68%	84%	80%	84%	105%
Rockport Reservoir	49.2	39.8	41.6	60.9	81%	65%	68%	118%	96%
Panguitch Lake	12.5	16.0	13.0	22.3	56%	72%	58%	96%	123%
East Canyon Reservoir	35.2	36.9	41.1	49.5	71%	75%	83%	86%	90%
Stateline Reservoir	7.2	4.5	6.5	12.0	60%	38%	54%	111%	69%
Woodruff Narrows Reservoir	26.1	26.5	55.5	57.3	46%	46%	97%	47%	48%
Meeks Cabin Reservoir	16.6	8.4	15.6	32.5	51%	26%	48%	106%	54%
Bear Lake	608.3	833.1	572.8	1302.0	47%	64%	44%	106%	145%
Grantsville Reservoir	2.3	2.1	2.8	3.3	69%	62%	85%	81%	73%
Strawberry Reservoir	855.6	925.7	881.1	1105.9	77%	84%	80%	97%	105%
Utah Lake	496.2	662.1	756.7	870.9	57%	76%	87%	66%	88%
Deer Creek Reservoir	130.5	130.3	131.3	149.7	87%	87%	88%	99%	99%
Echo Reservoir	39.1	33.3	53.3	73.9	53%	45%	72%	73%	62%
Starvation Reservoir	154.3	163.0	155.3	164.1	94%	99%	95%	99%	105%
Minersville Reservoir	7.2	8.8	12.2	23.3	31%	38%	52%	59%	72%
Sand Hollow Reservoir	45.3	44.9		50.0	91%	90%			
Steinaker Reservoir	14.1	9.8	24.4	33.4	42%	29%	73%	58%	40%
Smith And Morehouse Reservoir	5.2	3.4	5.4	8.1	64%	42%	67%	97%	62%
Ken's Lake	1.5	0.7	1.3	2.3	66%	30%	58%	113%	52%
Quail Creek	27.6	30.2	31.6	40.0	69%	76%	79%	87%	96%
Currant Creek Reservoir	14.8	14.5	14.9	15.5	95%	94%	96%	99%	97%
Lower Enterprise	1.4	0.9	1.4	2.6	56%	35%	52%	107%	67%
Pineview Reservoir	56.7	64.6	83.6	110.1	51%	59%	76%	68%	77%
Scofield Reservoir	25.4	36.8	26.8	65.8	39%	56%	41%	95%	137%
Gunlock	4.7	4.9	8.2	10.4	45%	47%	79%	57%	59%
Moon Lake Reservoir	27.2	15.8	24.1	35.8	76%	44%	67%	113%	66%

Kolob Reservoir	5.2	3.0		5.6	93%	54%			
Joes Valley Reservoir	23.2	37.4	38.5	61.6	38%	61%	63%	60%	97%
Causey Reservoir	6.9	5.9	5.9	7.1	98%	83%	83%	118%	100%
Piute Reservoir	17.0	25.7	54.2	71.8	24%	36%	75%	31%	47%
Settlement Canyon Reservoir	0.4	0.6	0.8	1.0	39%	56%	80%	48%	69%
Big Sand Wash Reservoir	26.7	20.8		25.7	104%	81%			
Porcupine Reservoir	10.1	9.7	11.3	11.3	90%	86%	100%	90%	86%
Sevier Bridge Reservoir	70.8	85.2	133.2	236.0	30%	36%	56%	53%	64%
Jordanelle Reservoir	161.4	208.3	236.7	314.0	51%	66%	75%	68%	88%
Gunnison Reservoir	0.7	0.0	11.2	20.3	3%	0%	55%	6%	0%
Otter Creek Reservoir	28.1	32.3	43.3	52.5	53%	61%	82%	65%	75%
Upper Enterprise	1.7	3.5	5.5	10.0	17%	35%	55%	31%	63%
Huntington North Reservoir	4.1	3.8	4.1	4.2	97%	91%	98%	99%	94%
Woodruff Creek	4.0	4.0	4.0	4.0	100%	100%	100%	100%	100%
Flaming Gorge Reservoir	2937.8	3178.3	3114.0	3749.0	78%	85%	83%	94%	102%
Lost Creek Reservoir	12.6	16.0	16.3	22.5	56%	71%	72%	77%	98%
Cleveland Lake	0.1	1.6		5.4	2%	29%			
Basin Index					**66%**	**75%**	**75%**	**88%**	**100%**
# of reservoirs					49	49	44	44	44

Water Supply Outlook Reports
and Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact: your local Natural Resources Conservation Service Office or:
Snow Surveys
245 N Jimmy Doolittle Rd, SLC Utah, 84116. Phone (385)285-3118
Email Address: jordan.clayton@usda.gov

How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snowcourses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in statistical and simulation models to prepare runoff forecasts. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

Issued by
Terry Cosby
Chief, Natural Resources Conservation Service
U.S. Department of Agriculture

Released by
Emily Fife
State Conservationist
Natural Resources Conservation Service Salt Lake City, Utah

Prepared by
Snow Survey Staff:
Jordan Clayton, Data Collection Officer
Troy Brosten, Assistant Supervisor
Kent Sutcliffe, Soil Scientist
Dave Eiriksson, Hydrologist
Joel Burley, Hydrologist
Justin Byington, Hydrologist
Doug Neff, Electronic Technician

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Snow Survey, NRCS, USDA
245 North Jimmy Doolittle Road
Salt Lake City, UT 84116
(385) 285-3118

Utah Water Supply Outlook Report

Natural Resources Conservation Service
Salt Lake City, UT